

Scout Report sent out  
 Noted in the NID File  
 Location map pinned  
 Approval or Disapproval Letter  
 Date Completed, P. & A, or  
 operations suspended  
 Pin changed on location map  
 Affidavit and Record of A & P  
 Water Shut-Off Test  
 Gas-Oil Ratio Test  
 Well Log Filed

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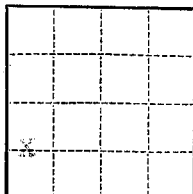
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 Date Completed, P. & A, or  
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 Pin changed on location map  
 Affidavit and Record of A & P  
 Water Shut-Off Test  
 Gas-Oil Ratio Test  
 Well Log Filed

*Converted to water injection well July, 1962 started injecting in August, 1962*

FILE NOTATIONS			
Entered in NID File	<input checked="" type="checkbox"/>	Checked by Chief	<input checked="" type="checkbox"/>
Entered On G R Sheet	<input checked="" type="checkbox"/>	Copy NID to Field Office	<input checked="" type="checkbox"/>
Location Map Pinned	<input checked="" type="checkbox"/>	Approval Letter	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>	Disapproval Letter	<input type="checkbox"/>
IWR for State or Fee Land	<input type="checkbox"/>		
DATE WHEN DATA			
Date Well Completed	3-12-58	Location Completed	<input type="checkbox"/>
CW <input checked="" type="checkbox"/> V <input type="checkbox"/> IA <input type="checkbox"/>		Band Land	<input type="checkbox"/>
CW <input type="checkbox"/> OS <input type="checkbox"/> PA <input type="checkbox"/>		State or Fee Land	<input type="checkbox"/>
LOGS FILED			
Driller's Log	4-8-58		
Electric Logs (No.)	2		
E <input type="checkbox"/> I <input type="checkbox"/> E-I <input checked="" type="checkbox"/> GR <input type="checkbox"/> GR-N <input checked="" type="checkbox"/> Micro <input type="checkbox"/>			
Lat <input type="checkbox"/> Mi-L <input type="checkbox"/> Sonic <input type="checkbox"/> Others <input type="checkbox"/>			



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_

Window Rock \_\_\_\_\_

Allottee Navajo

Lease No. 14-20-603-359

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF _____	
NOTICE OF INTENTION TO CHANGE PLANS _____		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____		SUBSEQUENT REPORT OF ALTERING CASING _____	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____		SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____		SUBSEQUENT REPORT OF ABANDONMENT _____	
NOTICE OF INTENTION TO PULL OR ALTER CASING _____		SUPPLEMENTARY WELL HISTORY _____	
NOTICE OF INTENTION TO ABANDON WELL _____			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 4, 1952

Well No. Navajo is located 1,980 ft. from N line and 660 ft. from E line of sec. 2  
J-2

NE 1/4 Sec 2 41S 25E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

MC Elmo Creek San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

ungraded ground  
The elevation of the derrick floor above sea level is 4,904 ft.

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to drill well to test Paradox Limestone at about 5,950'.

Will set approximately 1,300' of 10 3/4" casing in 13 3/4" hole with cement circulated to surface.

Will cement 7" casing w/900 sacks in 9" hole through any commercial production encountered.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE SUPERIOR OIL COMPANY

Address Box 276

Cortez, Colorado

By George E. Nugent  
George E. Nugent  
Title Petroleum Engineer

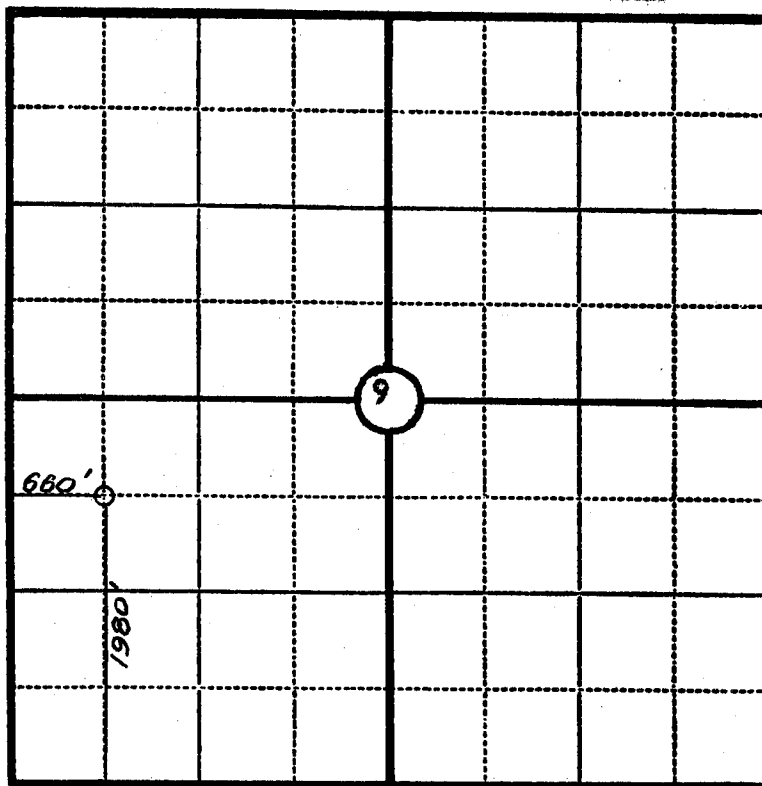
Company THE SUPERIOR OIL COMPANY

Lease NAVAJO 'J' Well No. \_\_\_\_\_

Sec. 9, T. 41S, R. 25E, S.L.M.

Location 1980' FROM THE SOUTH LINE 660' FROM THE WEST LINE

Elevation 4904.1 UNGRADED GROUND  
T.B.M. 'X' IN SANDSTONE 186' S 35° E OF LOCATION  
ELEV. 4905.1  
SAN JUAN COUNTY UTAH



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

*James P. Lese*

Registered Land Surveyor.

JAMES P. LEESE

UTAH REG. No. 1472

Surveyed 3 JANUARY, 1958

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

February 5, 1958

The Superior Oil Company  
P. O. Box 276  
Cortez, Colorado

Attention: George E. Nugent, Petroleum Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo J-2, which is to be located 1980 feet from the south line and 660 feet from the west line of Section 9, Township 41 South, Range 25 East, S1E4, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

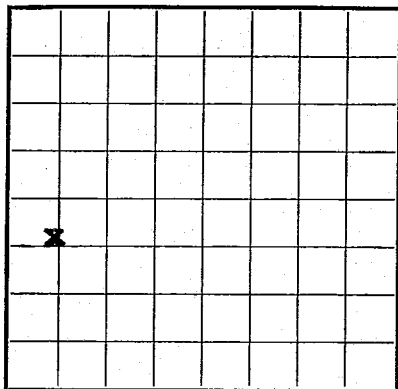
Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT  
SECRETARY

CBF:cn

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

Roswell, N. M.  
U. S. LAND OFFICE  
SERIAL NUMBER 14-20-603-359  
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company The Superior Oil Co. Address Box 276, Cortez, Colo  
Lessor or Tract Navajo Field McElmo Creek State Utah  
Well No. #13-9 (J-2)\* Sec. 9 T. 41S R. 25E Meridian Salt Lake County San Juan  
Location 1980 ft. N. of S Line and 660 ft. E. of W Line of SW Cor. Sec. 9 Elevation 4920 KB  
(Derrick floor relative to sea level)  
The information given herewith is a complete and correct record of the well and all work done thereon  
so far as can be determined from all available records.  
Signed George E. Nugent Title Pet. Engineer  
Date March 31, 1958

The summary on this page is for the condition of the well at above date.  
Commenced drilling February 6, 1958 Finished drilling March 12, 1958

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5694 to 5714 No. 4, from 5837 to 5856  
No. 2, from 5725 to 5759 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 5822 to 5832 No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4"	32.75	8 Rd.	Smls	1282	Float	None			Surface
7"	20.625	8 Rd.	Smls	5920	Float	none	5694	5714	Water
							5725	5759	string
							5822	5832	
							5837	5856	

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	1282	700	Pump & plug		
7"	5920	900	Pump & plug		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	1282	700	Pump & plug		
7"	5920	900	Pump & plug		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from Surface feet to 5920 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

March 31, 1958 Put to producing March 12, 1958

The production for the first 24 hours was 638 barrels of fluid of which 99.7% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and 0.3% sediment. Gravity, °Bé. 38.0° API

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
		2803	De Chelly
		2937	Organ Rock
		4716	Hermosa
		5542	Upper Boundry Butte
		5678	Paradox Shale
		5691	Lower Boundry Butte
		5869	Chimney Rock Shale
		5920	Total Depth

\*Former number

[OVER]

16-43094-4

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_

Allottee Navajo

Lease No. 14-20-603-339


# SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	SUBSEQUENT REPORT OF WATER SHUT-OFF _____
NOTICE OF INTENTION TO CHANGE PLANS _____	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____	SUBSEQUENT REPORT OF ALTERING CASING _____
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____	SUBSEQUENT REPORT OF ABANDONMENT _____
NOTICE OF INTENTION TO PULL OR ALTER CASING _____	SUPPLEMENTARY WELL HISTORY _____
NOTICE OF INTENTION TO ABANDON WELL _____	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 31, 1958

Navajo J #13-9

Well No. (1-2) is located 1987 ft. from N line and 60 ft. from E line of sec. 9

19  
(1/4 Sec. and Sec. No.)

41  
(Twp.)

15E  
(Range)

CLM  
(Meridian)

McElmo Creek  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

belly bushing

The elevation of the ~~derrick floor~~ belly bushing above sea level is 4920 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded: February 6, 1958.

Completed: March 12, 1958.

Total Depth: 5920 P.B.T.D. 5377.

Casing: 10-3/4" casing set at 1282' in 13-3/8" hole. Cement with 700 sacks. Good cement returns to surface.

7" casing, set at 5920 in 9" hole. Cemented with 900 sacks. Top of cement at 2100 via Temperature survey.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Co.

Address Box 276

Cortez, Colo

By \_\_\_\_\_

GEORGE E. AUGENT  
Title Pet. Engineer

\*Former number

APR 8 1958

Perforations: 5694-5714, 5725-5750, 5822-5832 & 5837-5856 with  
6 jets per foot.

300 Swab Test: (Perforations 5822-32 & 5837-56).

Swabbed 35 bbls load salt water in 2 hours. Swabbed dry. Let  
set 1 hour. No. entry.

Acid Job #1: (Perforations 5822-32 & 5837-56).

Washed perforations thru 2½" tbg hung 5856 with 500 gal acid.  
Maximum pressure 2000#. Flowed 57 bbls in 5 hours thru  
3/4" choke, press 20#/pkr.

Acid Job #2: (Perfs 5822-32 & 5837-56).

Acidized with 5000 gal Jel-A-100 (retarded) acid thru 2½" tbg  
hung 5793. Used 100 rubber balls. Maximum pressure 4700/2000#.

Set a retrievable bridge plug at 5785.

Acid Job #3: (Perforations 5694-5714 & 5725-59).

Washed perforations thru 2½" tbg hung 5760 with 500 gal mud acid.  
Acid went away on vacuum. Flowed 112 bbls in 4 hours thru 3/4" choke,  
press 14#/pkr, cut 0.2% BS & H, gravity 39.3.

Acid Job #4: (Perfs 5694-5714 & 5725-59).

Acidized with 5000 gal Jel-A-100 (Retarded) acid thru 2½" tbg  
hung 5867. Used 200 rubber-nylon balls. Maximum pressure 4200/2000#.

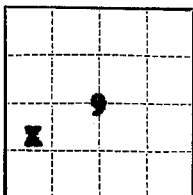
Recovered retrievable bridge plug.

Ran 2½" 6.5# J-55, R-2, 3 Rd. EUE tubing to 5857 with tbg  
catcher at 4912.

L. P.: Flowed 584 bbls in 22 hours thru 37/64" choke,  
pressure 90/100#, cut 0.3% BS & H, gravity 38.0. 638 BPDR.



(SUBMIT IN TRIPLICATE)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_  
Window Rock  
Allottee Navajo  
Lease No. 14-20-603-339

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 15, 1939

Navajo 'J'  
Well No. #13-9 is located 1980 ft. from [N] line and 660 ft. from [W] line of sec. 9

NW SW Sec. 9 41S 25E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
McKino Creek San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ above sea level is 4920 ft. kelly bushing

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 10-7-39: Hydraulically perforated with 2 jets per foot at each of the following settings: 5697', 5705', 5740', 5748', 5755',
- 10-10-39: (Perfs 5694'-5734') Treated with 9,000 gallons retarded acid in 3 equal stages using 2-300 gallon temporary plugs. Max. Press. 3100#/1500#.
- 10-13-39: Pumped 168 barrels oil in 12 hours.  
Gravity 39.9°, cut 1.4% water, 336 BPD rate.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company

Address P. O. Drawer G

Cortez, Colorado

By D. D. Kingman  
D. D. Kingman

Title Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency

Window Rock

Allottee **Navajo**

Lease No. **14-20-603-359**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

	9	
X		

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL	<b>Supp. Report of Conversion to Injection Well</b>	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Superior Nav 22 13-9

July 20, 1962

McElmo Creek Unit

Well No. **FR-19** is located **1980** ft. from **EX** line and **660** ft. from **EX** line of sec. **9**

**NW SW Sec. 9** **418** **25E** **SLB&M**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Greater Aneth** **San Juan** **Utah**  
(Field) (County or Subdivision) (State or Territory)

The elevation ~~1980~~ above sea level is **4920** ft. **K.B.**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

July 7, 1962: Set Baker Packer @ 5665' on 2 1/2" cement lined tubing.  
Filled annulus with crude and pressured to 580#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The Superior Oil Company**

Address **P. O. Drawer 'G'**

**Cortez, Colorado**

By **D. B. Kingman**

Title **Production Engineer**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek Unit

8. FARM OR LEASE NAME

McElmo Creek

9. WELL NO.

#R-19

10. FIELD AND POOL, OR WILDCAT

McElmo Creek

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

NW SW Sec. 9, T41S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Water Injection	
2. NAME OF OPERATOR THE SUPERIOR OIL COMPANY	
3. ADDRESS OF OPERATOR P. O. DRAWER 'G', CORTEZ, COLORADO	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL & 660' FWL NW SW Sec. 9, T41S, R25E	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4920' KB

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐~~SHOOT OR ACIDIZE~~ ACIDIZING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PBTID - 5879'

5-20-65 Acidized perms 5822-5856' with 10,000 gal of chemically retarded acid with iron sequestering additive. Displaced acid into formation with 35 bbls water. Max treating pressure 4200 psi. Avg. injection rate 2½ bbls/min @ 3800 psi. Displaced at 2½ BPM with 3900 psi. Final psi 3900#.

5-21-65 Acidized perms 5694-5759' with 19,850 gal of chemically retarded acid with iron sequestering additive. Displaced into formation with 36 bbls water. Max treating pressure 3600#. Avg. injection rate 4½ bbls/min. at 3500#. Displaced at 3 BPM with 3200# final pressure. Shut-in pressure (15 min.) 2500# psi. Job complete.

5-23-65 Injection rate - 818 bbls in 24 hrs. at 2150# psi.

18. I hereby certify that the foregoing is true and correct

SIGNED

*C. R. Waller*  
C. R. Waller

TITLE

Production Engineer

DATE

June 8, 1965

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

MJE/nh

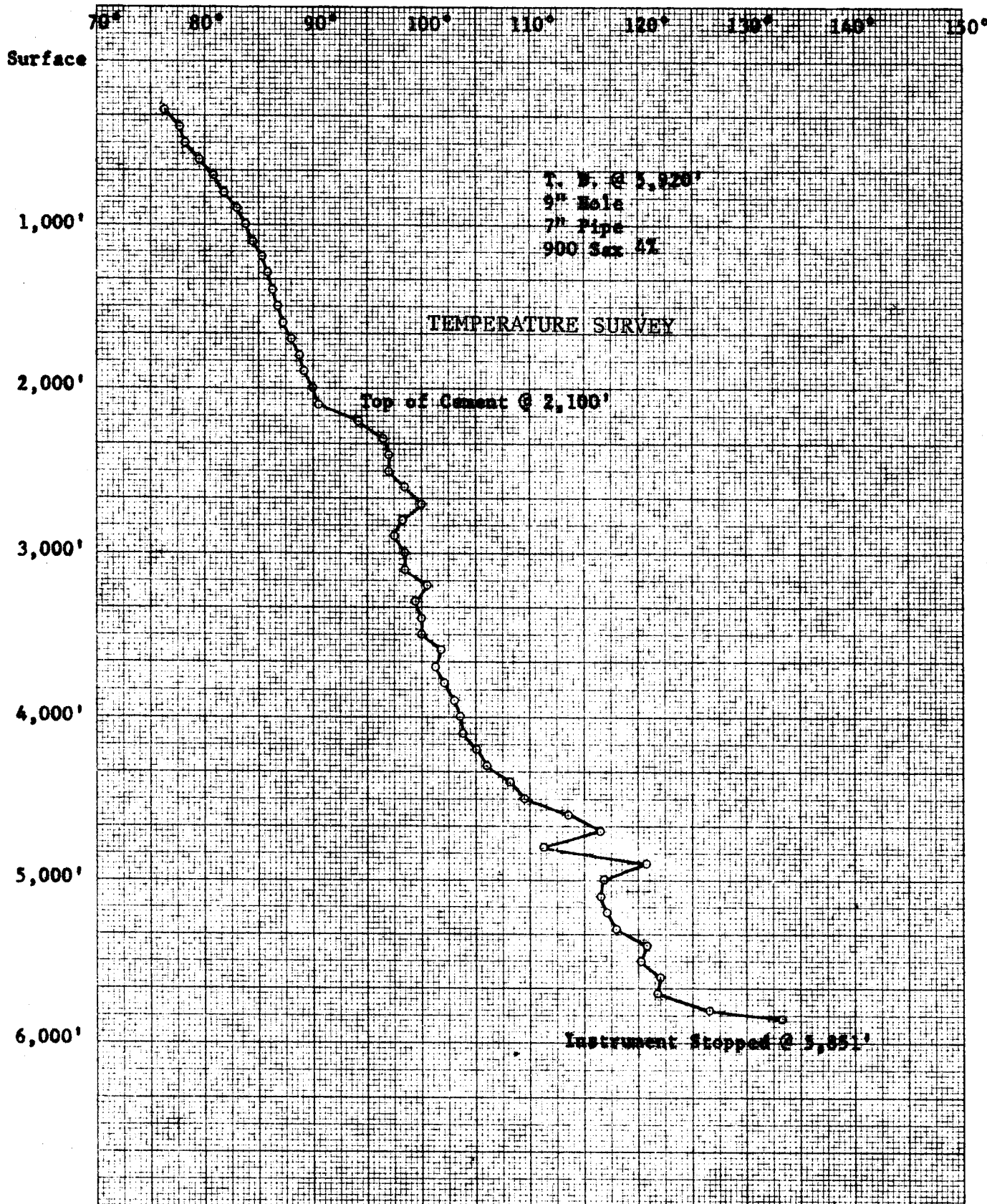
\*See Instructions on Reverse Side

# WEST TEXAS ENGINEERING SERVICE, INC.

APR 8 1958

PHONE 2-5361

BOX 2464



The Superior Oil Company

OPERATOR

LEASE

Navajo "J"

WELL NO.

2

POOL

McElmo Creek

COUNTY

San Juan, Utah

DATE

3-6-58

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek

8. FARM OR LEASE NAME

9. WELL NO.

R-19

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

NW SW Sec. 9, T41S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☐

WATER INJECTION

2. NAME OF OPERATOR

THE SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)

At surface

1980' FSL & 660' FWL  
NW SW SEC. 9, T41S, R25E  
SAN JUAN COUNTY, UTAH

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4920' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

~~WATER SHUT-OFF~~ ACIDIZING ☒

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Treated well with 15,000 gallons of 28% iron acid in three equal stages. Preceded first stage with 500 gallon salt plug, second and third stages were preceded with 1000 gallon salt plugs.

Returned well to injection.

18. I hereby certify that the foregoing is true and correct

SIGNED

D. D. Kingman  
D. D. Kingman

TITLE

Production Engineer

DATE

3/15/66

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

MJE/njh

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THE MANNER INDICATED\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-359	
2. NAME OF OPERATOR The Superior Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado 81321		7. UNIT AGREEMENT NAME McElmo Creek Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980 FSL & 660' FWL Sec. 9, T41S, R25E San Juan County, Utah		8. FARM OR LEASE NAME McElmo Creek Unit	
14. PERMIT NO.		9. WELL NO. MCU #R-19	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4920' KB		10. FIELD AND POOL, OR WILDCAT McElmo Creek Field	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW SW Sec. 9, T41S, R25E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input checked="" type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Notice of intent to perforate the Ismay Zone, 5644-5662', for oil production.

This well will continue in service as an injector for the Desert Creek formation and so will be completed for dual service.

18. I hereby certify that the foregoing is true and correct

SIGNED D. D. Kingman TITLE District Engineer DATE 2/4/69

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

DDK/njh

\*See Instructions on Reverse Side

cc: State, USGS, Franques, Broussard, File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Injection Well</u>		5. LEASE DESIGNATION AND SERIAL NO. <u>14-20-603-359</u>
2. NAME OF OPERATOR <u>The Superior Oil Company</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>Navajo</u>
3. ADDRESS OF OPERATOR <u>P. O. Drawer 'G', Cortez, Colorado 81321</u>		7. UNIT AGREEMENT NAME <u>McElmo Creek Unit</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u> <u>1980' FSL &amp; 660' FWL Section 9, T41S, R25E</u> <u>San Juan County, Utah</u>		8. FARM OR LEASE NAME <u>McElmo Creek Unit</u>
14. PERMIT NO.		9. WELL NO. <u>MCU #R-19</u>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>4920' KB</u>		10. FIELD AND POOL, OR WILDCAT <u>McElmo Creek Field</u>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>NW SW Sec. 9, T41S, R25E</u>
		12. COUNTY OR PARISH <u>San Juan Cty.</u>
		13. STATE <u>Utah</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input checked="" type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Revision to "Notice of Intention" filed 2/4/69:

Because several recent Ismay completion attempts have been affected by water communication behind the casing, it now appears advisable to cement off all perfs 5694-5856', drill out, perf and block squeeze at 5660-64'.

Desert Creek intervals 5694-5714, 5725-59 and 5822-32' will then be reperforated and treated for injection.

The Lower Ismay intervals 5628-32 and 5644-52' will then be perforated and treated for oil production.

18. I hereby certify that the foregoing is true and correct

SIGNED D. D. Kingman TITLE District Engineer DATE May 1, 1969

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

OGC/njh

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN **REPLICATE\***  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Dual Completion Injection/Production		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-359
2. NAME OF OPERATOR The Superior Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado 81321		7. UNIT AGREEMENT NAME McElmo Creek Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1980' FSL & 660' FWL, Section 9, T41S, R25E		8. FARM OR LEASE NAME McElmo Creek Unit
14. PERMIT NO.		9. WELL NO. #R-19
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4920' KB		10. FIELD AND POOL, OR WILDCAT McElmo Creek Field
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW SW Sec. 9, T41S, R25E
		12. COUNTY OR PARISH San Juan Cty.
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

5/15/69 Cemented all perfs 5694-5856' with 850 sacks reg. class 'C' cement.  
5/18/69 Drilled out to 5675'.  
5/19/69 Perforated 5660-64' with 2 jets/ft. Treated perfs with 500 gal 15% acid.  
Cemented perfs 5660-64' with 53 sacks.  
5/21/69 Drilled out to 5870'.  
5/22/69 Perforated 5694-5714, 5725-59, 5822-32' with 2 jets/ft. Treated all perfs  
5694-5832' with 15,000 gal 28% acid in 3 stages, preceeding 2nd and 3rd stage  
with salt plugs. Each stage flushed with water. Perf'd 5628-32 and 5644-52'  
with 2 jets per ft.  
5/23/69 Treated perfs 5628-52' with 2000 gal 28% acid at 0 psi. On vac immediately.  
5/24/69 Swabbed at 24.3 BPH rate, 100% water cut.  
5/29/69 Ran 2-7/8" tubing to 5689' with dual string anchor at 5636'. Landed 2-3/8"  
in dual string anchor and ran production equipment.  
5/30/69 Hooked 2-7/8" injection string (Desert Creek) to injection line and 2-3/8"  
string (Ismay) to flow line.  
6/30/69 Ismay producing 250 BFPD at 100% water cut.

## 18. I hereby certify that the foregoing is true and correct

SIGNED

D. D. Kingman

TITLE

District Engineer

DATE

7/3/69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OGC/nh cc: Franques, Broussard, WIO, Hurlbut, State, USGS, File

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection Well</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-359</b>
2. NAME OF OPERATOR <b>The Superior Oil Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>
3. ADDRESS OF OPERATOR <b>P. O. Drawer 'G', Cortez, Colorado 81321</b>		7. UNIT AGREEMENT NAME <b>McElmo Creek Unit</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <b>At surface</b>		8. FARM OR LEASE NAME <b>Same</b>
14. PERMIT NO.		9. WELL NO. <b>McElmo Creek Unit #R-19</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4920' KB</b>		10. FIELD AND POOL, OR WILDCAT <b>McElmo Creek Field</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NW/4 SW/4</b>
		12. COUNTY OR PARISH <b>San Juan</b>
		13. STATE <b>Utah</b>

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>

(Other) **Convert Ismay Zone to Inj.** ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

10/24/69 Pulled rods, tubing and downhole production equipment.  
10/25/69 RIH with 2-7/8" tubing with packer at 5607', tubing tail at 5611'.  
Put back on injection, all zones commingled.

18. I hereby certify that the foregoing is true and correct

SIGNED D. D. Kingman

TITLE District Engineer

DATE 11/28/69

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

OGC/nh cc: State, USGS, Franques, WIO, File, Hurlburt

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek Unit

8. FARM OR LEASE NAME

McElmo Creek Unit

9. WELL NO.

MCU #R-19

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Field

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 9, T41S, R25E SLM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ WIW

2. NAME OF OPERATOR

The Superior Oil Company

3. ADDRESS OF OPERATOR

P. O. Drawer 'G', Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1980' FSL &amp; 660' FWL (NW SW)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4916' KB

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Perfs: Ismay 5628-32' and 5644-52'  
Zone I - 5694-5714' and 5725-59'  
Zone II - 5822-32'6/10/74: Acidized all perfs with 1500 gals 15% inhibited iron sequestering acid.  
MP 1000 psi. Avg. Inj. Rate - 1.5 BPMInjection Prior to Treatment: 515 BPD at 2400 psi  
Injection After Treatment: 1505 BPD at 2350 psi

18. I hereby certify that the foregoing is true and correct

SIGNED

D. D. Kingman

TITLE

District Engineer

DATE

7/2/74

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

RLH/njh

\*See Instructions on Reverse Side

Copy to: USGS 4, State 2, Franques, Mosley, Hurlbut, WIO, File

INITIAL WELL TEST

McELMO CREEK UNIT # R-19

DATE March 12, 1958

OIL BBL/DAY 632

OIL GRAVITY 37.6

GAS CU.FT/DAY \_\_\_\_\_

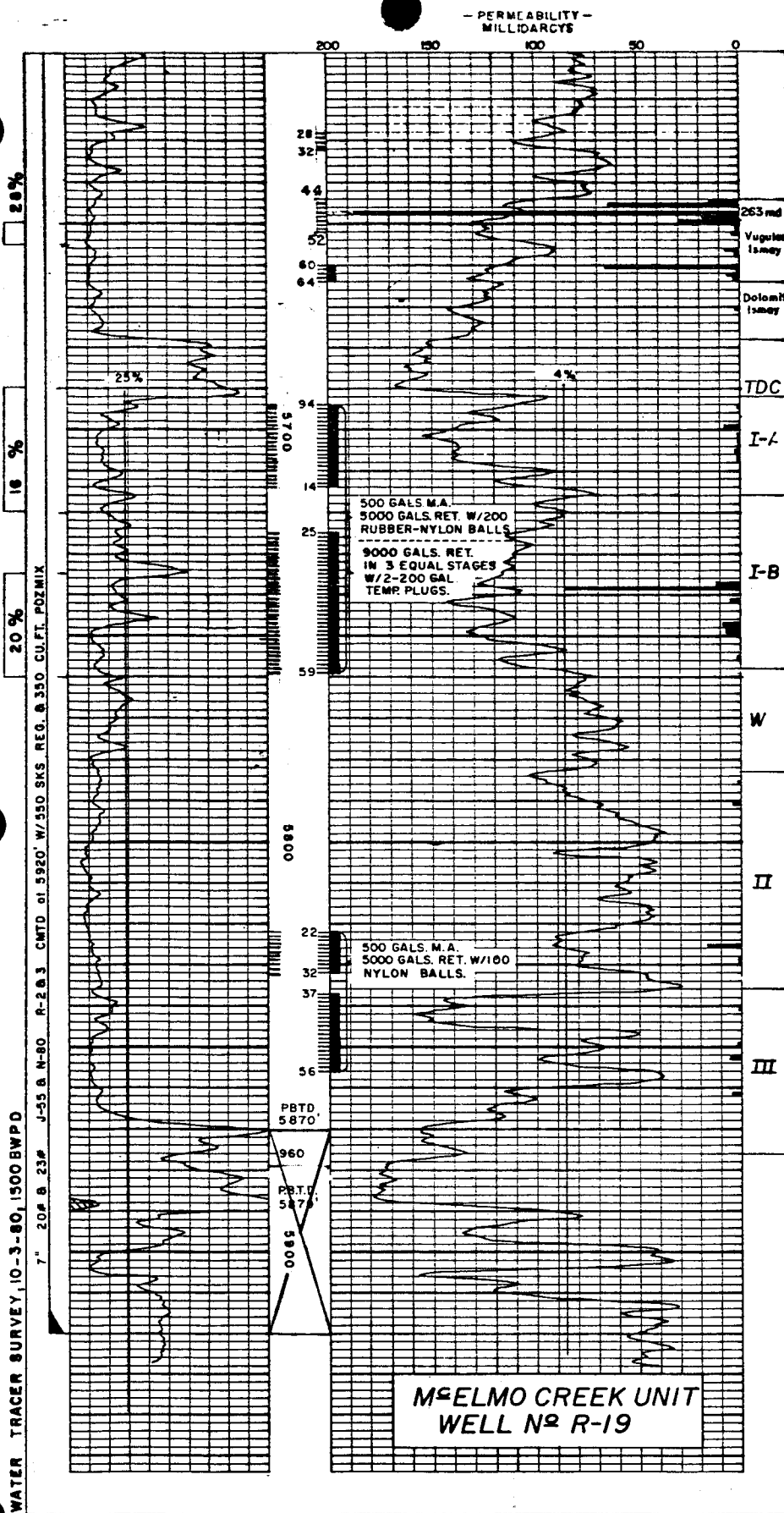
GAS-OIL RATIO CU/FT/BBL \_\_\_\_\_

WATER BBL/DAY 4

PUMPING/FLOWING F

CHOKE SIZE 32/64

FLOW TUBING PRESSURE 550



HYDRAULICALLY PERFED: AT 5697', 5705', 5740',  
5748' & 5755'

5-20-65; Acidized perfs 5822-56'  
W/10,000 Gal. chemically retarded acid  
w/iron sequestering additives.

Acidized perfs 5694-5759' W/  
19,850 Gal. chemically retarded acid  
w/iron sequestering additives.

3-15-66: Treated W/15,000 gals 28%  
iron acid in 3 equal stages. Preceded  
first stage W/500 gal salt plug,  
second and Third stages were pre-  
ceded W/1000 gal salt plugs.

5-15-69: Squeezed all perfs 5694'-  
5856'. Drld out to 5675'. Perfed  
5660-64', Treated W/500 gals 15%  
acid. Squeezed perfs 5660-64'.

Drld out to 5870'.  
Perfed 5694-5714', 5725-59'  
5822-32', Treated perfs 5694-5832'  
W/15,000 gals 28% acid.  
Perfed 5628-32', 5644-52'. Treated  
perfs 5628-52' W/2000 gals;  
Set pkr at 5687'.

10-25-69: Pulled prod. equip. reset  
Pkr at 5607'. Put back on Injection

6-10-74 TREATED ALL PERFS  
W/1500 GAL IRON ACID

10-27-77: Treated w/3780 gal 28% HCL

d. 5876

FLOMETER 9-19-64 3000 BPD  
PACKER FLOWMETER 11-5-65 4988 BPD  
RA TRACER 8-17-70 3466 BPD  
IE S TRACER 8-15-76 1250 BPD

McELMO CREEK UNIT  
THE SUPERIOR OIL CO. OPERATOR  
NW SW SEC. 9, T41 S, R25 E.  
SAN JUAN COUNTY, UTAH.  
ELEV. 4916' K.B. T.D. 5920'

REV: 9-5-78

WI  
Well No. R-19

McElmo Creek Unit

ATTACHMENT I

RULE I-5: Application for Approval of Class II Injection Wells

(a) Well Data Sheets.

- (b) (1) Plat #1.  
(2) Well Data Sheets.  
(3) Well Data Sheets & Logs.  
(4)

i. The average intervening thickness is 4000' between the existing injection interval and the deepest fresh water sand.

ii. Maximum Surface Pressure: 2800 psig.  
Maximum Rate: 4000 BWPd.

<u>FORMATION</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
Chinle	1300' avg.	Shale
DeChelly	2350' avg.	Sandstone
Organ Rock	2600' avg.	Shale
Hermosa	4400' avg.	Limestone
Upper Ismay	5300' avg.	Limestone
Lower Ismay	5370' avg.	Limestone
Gothic	5450' avg.	Shale
Desert Creek	5460' avg.	Limestone
Chimney Rock	5550' avg.	Shale

(5)

(i) A throttling valve is installed on the wellhead to control injection rates and pressures.

(ii) The source of injection water is Superior's production wells within the McElmo Creek Unit. The wells produce from the Ismay and Desert Creek formations with approximate depths of 5300' and 5460' respectively.

(iii) The analysis of injection water is as follows: (as parts per million).

PH: 6.5	Ca: 13770 ppm	SO4: 25 ppm
CL: 16700 ppm	Mg: 11421 ppm	H2S: 30 ppm
Fe: 3 ppm	HCO3: 109.8 ppm	Na: -
CaCO3: 18470 ppm	CO3: -	Specific Gravity: 1.0553

McElmo Creek Unit

(5) Cont.

(iv) The injection zones are the Ismay and Desert Creek formations. Both zones are carbonate formations consisting of limestone, anhydrite and dolomite. The formations extend throughout the Paradox Basin and are underlain by the Chimney Rock Shale and are overlain by the Hermosa Limestone.

(v) Fresh water zones (Morrison, Bluff, Entrada) range from 0 to 1300' with Entrada being the deepest and somewhat saline.

(vi) The analysis of formation water (Desert Creek) is as follows: (as parts per million).

PH: 6.6	Ca: 17410 ppm	SO4: 33 ppm
CL: 34800 ppm	Mg: 11518 ppm	H2S: 10 ppm
Fe: 1.5 ppm	HCO3: 48.8 ppm	Ba: -
CaCO3: 22150 ppm	CO3: -	Specific Gravity: 1.0902

(6) To assure that injection is confined to intervals intended to receive the disposed water, wireline diagnostic surveys are run periodically to determine whether any escapement is taking place. If such information is discovered, the disposal well will be shut-in until proper measure can be taken. Casing pressure readings are made regularly to verify that no tubing or packer leaks have developed. If such leaks develop, the well will be shut-in until proper repairs can be made.

(7) N/A.

(8) The Division will be notified of the date and time to monitor the mechanical integrity test.

(9) N/A.

(10) N/A.

R24E

R25E

T  
40  
ST  
41  
S

## LEGEND

- FUTURE LOCATION
- DRILLING WELL (STATUS)
- OIL WELL
- ▼ WATER INJECTION WELL
- DUAL SERVICE, INJ/PROD

O/W CONTACT -960

0 2000' 4000'

McELMO CREEK UNIT	
SUPERIOR FIGURESTERN DIVISION	
McELMO CREEK UNIT	
SAN JUAN COUNTY, NEW MEXICO	
SUPERIOR - WESTERN DIVISION	
BY: <del>STRUCTURE</del>	
DATE: 4-14-73	
CHECKED: <del>TOP OF</del>	
DRAWING NO. 2	
BY:	SCALE:
DATE:	C.I.: 25%
CHECKED:	DRAWN BY:

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Superior Well No. M'Elmo Creek R19  
 County: San Juan T 41S R 25E Sec. 9 API# 43-031-15976  
 New Well ☐ Conversion ☐ Disposal Well ☐ Enhanced Recovery Well ☒

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<u>✓</u>	
Plat including Surface Owners, Leaseholders, and wells of available record	<u>✓</u>	
Schematic Diagram	<u>✓</u>	
Fracture Information		<u>✓</u>
Pressure and Rate Control	<u>✓</u>	
Adequate Geologic Information	<u>✓</u>	
Fluid Source	<u>Desert Creek - Jarama</u>	

Analysis of Injection Fluid	Yes <u>✓</u>	No <input type="checkbox"/>	TDS <u>60,000</u>
Analysis of Water in Formation to be injected into	Yes <u>✓</u>	No <input type="checkbox"/>	TDS <u>70,000</u>

Known USDW in area Narayo chink Depth 1300

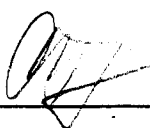
Number of wells in area of review 10 Prod. 8 P&A 0  
 Water 0 Inj. 2

Aquifer Exemption Yes ☐ NA 2

Mechanical Integrity Test Yes ✓ No ☐

Date 70-30-84 Type Water Frack Survey

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Reviewed by: 



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate  
(Other instructions on re-  
verse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-359	
2. NAME OF OPERATOR Superior Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR 600 17th Street, Suite 1500S, Denver, Colorado 80202		7. UNIT AGREEMENT NAME McElmo Creek	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FSL; 660' FWL, Section 9		8. FARM OR LEASE NAME	
14. PERMIT NO.		9. WELL NO. #R-19	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB: 4920'; GL: 4904'		10. FIELD AND POOL, OR WILDCAT Greater Aneth	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA Sec. 9, T41S, R25E, 11M	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

1. MIRU workover rig. POOH w/injection equipment.
2. Set packer at 5810'. Test for communication between Desert Creek I and II.
  - (i) If Desert Creek I & II are communicated, squeeze all perms w/600 sx cement. Drill out. Perforate Desert Creek I & II (5694'-5714'; 5725'-59'; 5822'-32'/2 JSPF). Acidize Desert Creek I & II w/6500 gals 28% HCl + additives. Swab back load.
  - (ii) If no zones are communicated, squeeze Ismay and Desert Creek I w/500 sx cement. Drill out. Perforate Desert Creek I (5694'-5714'; 5725'-59'/2 JSPF). Acidize Desert Creek I w/5000 gals 28% HCl + additives. Swab back load.
3. RIH w/injection equipment. Set packer at 5660'.
4. RDMO.

*Accepted*  
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 5/27/84  
BY: [Signature]

18. SIGNATURE OF THE PERSON MAKING THE STATEMENT

SIGNED: DAVID B. JENSEN

TITLE: ENGINEER

DATE: 4/27/84

(This space for Federal or State office use)

APPROVED BY: \_\_\_\_\_  
SIGNATURE OF APPROVAL: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

\*See Instructions on Reverse Side

THE SUPERIOR OIL COMPANY 36.55075%  
Area #4

McELMO CREEK UNIT #R-19  
1980' FSL, 660' FWL  
Section 9, T41S, R25E  
San Juan County, Utah

WATER INJECTION WELL

FIELD: McELMO CREEK

KB: 4920' DF: 4919' GL: 4904' PBD: 5870' TD: 5920' TLD: 13.50'  
TOC: 2100' (temp)  
SPUDDED: 2-6-58 COMPLETED: 3-12-58

INJECTION ZONE: Ismay, Desert Creek Zones I, II

PERFS: Ismay - 5628-32', 5644-52' (2 jets/ft)  
Zone I - 5694-5714', 5725-59' (2 jets/ft)  
Zone II - 5822-32' (2 jets/ft)

CASING: 10-3/4" 8R ST&C w/ 700 sx 39 jts 32.75# H-40, R-2 1997'  
2 jts 40.50# J-55, R-3 1282'  
7" 8R w/ 900 sx 1 jt 23# J-55 R-3 LT&C 35'  
129 jts 20# J-55 R-2 ST&C 4135'  
39 jts 23# J-55 R-3 LT&C 5803'  
3 jts 23# N-80 R-3 LT&C 5920'

TUBING: 2-7/8" J-55 R-2 Hydril C. S., cmt lined, tail at 5612'.

PACKERS: A Baker 7" Lok-set is at 5608'.

PUMP'G EQUIP: Injection equipment.

WELL HEAD: 6" Series 600 OCT type T-16. Tbg landed on bonnet without rubber.

3/8-10/58 Perf'd 5694-5714', 5725-59', 5822-32', 5837-56'. Acidized 5822-56' w/ 5000 gal Jel-X-100 rubber balls. Acidized 5694-5714' w/ 5000 gal Jel-X 100 + rubber balls.

10/6-11/59 Abrasijet perf'd 5697', 5705', 5740', 5748', 5755'. Acidized 5694-5759' w/ 9000 gal reg acid. Max FP 1400#, ISIP 0#.

7-7-62 Converted to water injection.

5-21-65 Acidized 5822-56' w/ 10,000 gal iron acid. RP 3900#, ISIP 3750#. Acidized 5694-5759' w/ 19,850 gal iron acid. Max press 3600#.

2-19-66 Treated w/ 15,000 gal 28% iron acid. FP 3300#, ISIP 3150#.

5/15-23/69 Squeezed all perfs. Perfs 5660-64', treated, squeezed. Perf'd 5694-5714', 5725-59', 5822-32', treated w/ 15,000 gal 28% acid. Perf'd 5628-32', 5644-52', treated w/ 2000 gal 28% acid. Max press 0#.

6-10-74 Acidized w/ 1500 gal 15% iron sequestering acid.

10-27-77 Acidized w/ 3,780 gal 28% HCL acid. Max final press 1900 psi, ISIP 1400#.

11-3-82 Cleaned out to 5856', C/O Lok-set pkr + 10 jts tbg.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other Instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or develop plugback to a different reservoir.  
Use "APPLICATION FOR PERMIT TO DRILL" for such proposals.)

OIL WELL ☐ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR  
P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1980' FSL, 660' FWL of SECTION 9

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB: 4920' GR: 4904'

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-603-354

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

McELMO CREEK UNIT

8. FARM OR LEASE NAME

9. WELL NO.

#R-19

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

SEC. 9, T41S, R25E, SLM

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- 12-3-84: MIRU workover rig.  
12-4-84: Bled well off. POH w/ injection equipment. RIH w/ bit & scraper.  
12-5-84: Tagged at 5835'. POH w/ bit & scraper. RIH w/ pkr to 5810' & tested for communication between Desert Creek I & II. Zones not communicated.  
12-6-84: Set CIBP at 5790'. RIH w. pkr & set at 5592'. Sqz'd Ismay (5628-52' O/A) & Desert Creek I (5694-5759' O/A) w/ 500 gals Flo Check & 400 sx Class 'B' to 3000 psi. Reversed 80 sx cmt out. Pressured up to 2500 psi & SI overnight.  
12-7-84: POH w/ pkr. RIH w/ mill & scraper. Tagged cmt at 5578' & drilled out 15' to 5593'. Green cmt. SI & WOC.  
12-8-84: Drilled out 10' green cmt. SI & WOC.  
12-10-84: Drilled out to 5650'. Cmt still soft.  
12-11-84: Drilled out to 5655'. Ismay pressured tested to 2000 psi. Drilled out to 5717'. POH with mill & RIH w/ bit.  
12-12-84: Drilled out to 5790'. Pressure tested sqz to 2000 psi. Held w/ no loss. Drilled out CIBP & cleaned ut to 5836'. Could not make any hole. Started out of hole w/ bit & scraper.  
12-13-84: Finished out of hole. Perforated Desert Creek I w/ 2 JSPF at 5694-5714', 5725-59', .43" holes, 110 holes.

CONTINUED ON 2nd PAGE.

18. I hereby certify that the foregoing is true and correct

SIGNED

Armando Saenz

TITLE

Engineer

DATE

1-8-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

- 12-11-84: Milled through tight spot from 5836-5850'. RIH w/ RBP & pkr. Set plug at 5845'. Pressure tested D. C. Zone II at 2500#, held OK. Spotted 5 bbls across perms. Set pkr at 5670'. Rate was 3/10 BPM at 3000#. Circulated 5 bbls acid to pit w/ 45 bbls of LSW.
- 12-17-84: Set pkr & tried to pump. Pressured to 2500# at .2 BPM. Unset pkr & put acid on spot. Pumped acid. Broke down w/ 2500#. Acidized well w/ 5000 gals HCL. Ismay broke back on 2nd acid stage. MP 2500#. Avg rate 2.6 BPM. ISIP 2200#.
- 12-18-84: Flowed well (418 bbls) to test tank.
- 12-19-84: Attempted to sqz Ismay (5628-5714', 5725-59') w/ 150 sx Class 'B'. No sqz. Pumped cmt away. Second try w/ 100 sx to 3000#. Circulated tbq clean & stung back into retainer.
- 12-20-84: RIH w/ tbq, mill & scraper. Tagged cmt retainer at 5549'. With power swivel, milled up cmt retainer to 8'.
- 12-21-84: Drilled out cmt. Mill wouldn't drill, cmt soft, circulate hole.
- 12-26-84: Hooked up swivel & cleaned ut to 5580'. Drill bit not drilling.
- 12-27-84: Hooked up to drill. CO 1-1/2 jts of cmt (50'). Circulated hole clean.
- 12-28-84: Hooked up to drill & cleaned out to 5675' (CIBP). Pressure tested Ismay perms to 2000#.
- 12-29-84: Drilled out CIBP & cmt to 5870'.
- 12-31-84: Perf'd D.C. Zone II (5822-32'), Zone I (5604-5711', 5725-5759') w/ 2 JSPF.
- 1-2-85: Acidized Zone II w/ 1000 gals 20% HCL w/ 2800#, 2.5 BPM. ISIP 2800#. Acidized Zone I w/ 2000 gals 28% HCL w/ 1000#, 2 BPM.
- 1-3-85: Flowed well to tank all day. Made 195 bbls of water w/ 1% H<sub>2</sub>S count.
- 1-5-85: POH w/ tbq without pkr.
- 1-7-85: Tagged pkr at 5866'. POH w/ tbq & made up new model 'D' pkr.
- 1-8-85: Bled well down. Dug out around wellhead. PU pkr & 1 jt of tbq. RIH & set pkr. Welder cut off wellhead bolts. Pulled out pkr. Changed out wellhead. RIH w/ anchor seal assembly, down hole shut off valve, on-off tool and 191 jts 2-7/8" plastic coated tbq.
- 1-9-85: RIH w/ tbq & fullbore pkr.
- 1-11-85: Milled Model 'D' pkr at 5619'.
- 1-12-85: Set pkr at 5590'. RIH w/ tbq anchor, seal assembly, down hole shut-off valve and on-off tool.
- 1-14-85: 32nd day. Opened valves on pkr and put on tree. Hooked up and pumped 80 bbls down tbq at 1000#. Rigged down and moved off.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPLICATE  
(Or instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> INJECTION WELL		5. LEASE DESIGNATION AND SERIAL NO. 30-603-359	
2. NAME OF OPERATOR MOBIL OIL CORP AS AGENT OF SUPERIOR OIL		6. IF INDIAN, ALLOTTEE OR TRIBE NAME MONGAJO	
3. ADDRESS OF OPERATOR P. O. DRAWER 'G', CORTEZ, CO 81321		7. UNIT AGREEMENT NAME MCELMO CREEK	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  1980' FSL, 660' FWL		8. FARM OR LEASE NAME DIVISION OF OIL GAS & MINING	
14. PERMIT NO. 43-527-16373		9. WELL NO. R-19	
15. ELEVATIONS (Show whether of, to, or, etc.) DF: 4919'		10. FIELD AND FOOT, OR WILDCAT GREATER ANETH	
		11. SEC. 2, 3, 4, 5, OR 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>CO2 INJECTION</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Carbon Dioxide injection was initiated in this well on Aug 2, 1985

18. I hereby certify that the foregoing is true and correct

SIGNED

*[Signature]*  
D. C. Collins

TITLE Sr Staff Op Engr

DATE

1.9.86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

COMMENTS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for each proposal.)

OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY, through its Agent, MOBIL OIL CORP.

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1980' FNL, 660' FWL

14. PERMIT NO.

43-037-16373

15. ELEVATIONS (Show whether DT, ST, GR, etc.)

GL: 4904'

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

MCELMO CREEK

8. FARM OR LEASE NAME

MCELMO CREEK UNIT

9. WELL NO.

R-19

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR ABRA

Sec. 9, T41S R25E

12. COUNTY OR PARISH

SAN JUAN

UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANE

Build Cathodic Protection System

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-  
nent to this work.)\*

The Superior Oil Company

Began Drilling: 2/6/58

Finished Drilling: 3/12/58

RECEIVED  
FEB 10 1986

DIVISION OF  
OIL, GAS & MINING

To maximize effective corrosion control of metallic piping and structures down hole and above ground, Mobil Oil Corporation, Agent for Superior Oil Company, proposes to construct an electrified cathodic protection system consisting of a subsurface graphite anode bed connected to an above ground rectifier which has a lead connected to the well casing.

The construction will consist of a trench, 140' long, 6' deep and 2' wide in the old reserve pit area of the well location. All construction will be confined to existing disturbed area of well location. Existing electrical power to the well will be used for this cathodic protection system.

18. I hereby certify that the foregoing is true and correct.

SIGNED C. J. Benally

TITLE

Sr. Regulatory Engineer

DATE

2/4/86

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RECEIVED  
MAY 16 1986

Attn: R. J. Firth  
Associate Director

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



R. D. Baker  
Environmental Regulatory Manager

CNE/rd  
CNE8661

WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 2)  
FOR THE CORTEZ SUPERVISOR AREA  
FOR THE GREATER ANETH FIELD 05/13/86

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
MC ELMO CREEK	N-11 ✓	SAN JUAN	UT	NW	SE	32-40S-25E	INJ OP	43-037-15965	14-20-603-372		96-004190
	N-13 ✓	SAN JUAN	UT	NW	NW	05-41S-25E	INJ OP	43-037-15966	14-20-603-372		96-004190
	N-15 ✓	SAN JUAN	UT	SW	NW	05-41S-25E	INJ OP	43-037-05671	14-20-603-372		96-004190
	N-17 ✓	SAN JUAN	UT	NW	NW	08-41S-25E	INJ OP	43-037-05597	14-20-603-263		96-004190
	N-19 ✓	SAN JUAN	UT	NW	SW	08-41S-25E	INJ OP	43-037-05540	14-20-603-263		96-004190
	N-21 ✓	SAN JUAN	UT	NW	NW	17-41S-25E	INJ OP	43-037-05492	14-20-603-263		96-004190
	N-23 ✓	SAN JUAN	UT	NW	SW	17-41S-25E	INJ OP	43-037-16364	14-20-603-263		96-004190
	O-12 ✓	SAN JUAN	UT	SE	SW	32-40S-25E	INJ OP	43-037-16371	14-20-603-372		96-004190
	O-14 ✓	SAN JUAN	UT	SE	NW	05-41S-25E	INJ OP	43-037-16365	14-20-603-372		96-004190
	O-16 ✓	SAN JUAN	UT	SE	SW	05-41S-25E	INJ OP	43-037-15969	14-20-603-372		96-004190
	O-18 ✓	SAN JUAN	UT	SE	NW	08-41S-25E	INJ OP	43-037-05585	14-20-603-263		96-004190
	P-07 ✓	SAN JUAN	UT	NW	SE	29-40S-25E	INJ OP	43-037-05828	I-149-IND-0839-A		96-004190
	P-09 ✓	SAN JUAN	UT	NW	NE	32-40S-25E	INJ OP	43-037-16367	14-20-603-372		96-004190
	P-11 ✓	SAN JUAN	UT	NW	SE	32-40S-25E	INJ OP	43-037-15971	14-20-603-372		96-004190
	P-13 ✓	SAN JUAN	UT	NW	NE	05-41S-25E	INJ OP	43-037-16368	14-20-603-372		96-004190
	P-15 ✓	SAN JUAN	UT	NW	SE	05-41S-25E	INJ OP	43-037-16340	14-20-603-372		96-004190
	P-17 ✓	SAN JUAN	UT	NW	NE	08-41S-25E	INJ OP	43-037-15976	14-20-603-263		96-004190
	P-19 ✓	SAN JUAN	UT	NW	SE	08-41S-25E	INJ OP	43-037-05555	14-20-603-263		96-004190
	P-21 ✓	SAN JUAN	UT	NW	NE	17-41S-25E	INJ OP	43-037-05487	14-20-603-263		96-004190
	P-23 ✓	SAN JUAN	UT	NW	SE	17-41S-25E	INJ OP	43-037-16370	14-20-603-263		96-004190
	Q-12 ✓	SAN JUAN	UT	SE	SE	32-40S-25E	INJ OP	43-037-05720	14-20-603-372		96-004190
	Q-14 ✓	SAN JUAN	UT	SE	NE	05-41S-25E	INJ OP	43-037-15974	14-20-603-372		96-004190
	Q-16 ✓	SAN JUAN	UT	SE	SE	05-41S-25E	INJ OP	43-037-15975	14-20-603-372		96-004190
	R-11 ✓	SAN JUAN	UT	NW	SW	33-40S-25E	INJ SI	43-037-05741	14-20-603-2057		96-004190
	R-11A ✓	SAN JUAN	UT	NW	SW	33-40S-25E	INJ OP	43-037-30179	14-20-603-2057		96-004190
	R-13 ✓	SAN JUAN	UT	NW	NW	04-41S-25E	INJ OP	43-037-05709	14-20-603-2057		96-004190
	R-17 ✓	SAN JUAN	UT	NW	NW	07-41S-25E	INJ OP	43-037-05602	14-20-603-359		96-004190
	R-19 ✓	SAN JUAN	UT	NW	SW	09-41S-25E	INJ OP	43-037-05554	14-20-603-359		96-004190
	R-21 ✓	SAN JUAN	UT	NW	NW	16-41S-25E	INJ OP	43-037-16374	14-20-603-359		96-004190
	R-23 ✓	SAN JUAN	UT	NW	SW	16-41S-25E	INJ OP	43-037-15977	14-20-603-359		96-004190



CO<sub>2</sub> inj 8/2/85

Converted 1962 ✓

UTAH DIVISION OF OIL, GAS AND MINING  
CASING-BRADENHEAD TESTOPERATOR: MEPNAFIELD: Greater AnethLEASE: McElmo CreekWELL # R-19

(Nav J-2)

SEC. 9TOWNSHIP 41S RANGE 25ESTATE FED. FEE DEPTH 5920

PBTD 5870

TYPE WELL INJWMAX. INJ. PRESS. 2800 psiCO<sub>2</sub> Tracer Log 3/16/86

4000 BWPD

TEST DATE

9/9/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>10<sup>3</sup>/<sub>4</sub>"</u>	<u>1997</u>	<u>700 SX</u>	<u>0 #</u>	<u>Injecting water</u>	
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>	<u>7"</u>	<u>5920</u>	<u>900 SX</u>	<u>0 #</u>		
<u>TUBING</u>	<u>2<sup>7</sup>/<sub>8</sub></u>	<u>5612</u>		<u>1600 #</u>		

Baker lot - set at 5608'

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. Lease Designation &  
Serial No.  
4303716373

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name

NAVAJO OIL AND GAS

1. Oil Well ☐ Gas Well ☐ Other: INJECTION WELL

2. Name of Operator  
MOBIL OIL CORPORATION

3. Address of Operator  
P. O. DRAWER G, CORTEZ, CO. 81321

4. Location of Well  
1980' FSL 660' FWL

7. Unit Agreement Name  
McELMO CREEK UNIT

8. Farm or Lease Name  
McELMO CREEK

9. Well No.  
R-19

10. Field and Pool, or Wildcat  
GREATER ANETH

11. Sec. T,R,M or BLK and  
Survey or Area  
SEC. 9,T41S,R25E

12. County, Parish  
SAN JUAN

13. State  
UTAH

14. Permit No.  
43-037-16372

15. Elevations (DF, RT, GR)  
DF: 4919' GL: 4909'

RECEIVED  
MAY 04 1990  
DIVISION OF  
OIL, GAS & MINING

DPN	RIF
JED	GLH
DTG	SLS
2-TAS	
3-MICROFILM	
4-UIC FILE	

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

Notice of Intention To:

Subsequent Report of:

Test Water Shut-off <input type="checkbox"/>	Pull or Alter Casing <input type="checkbox"/>	Water Shut-off <input type="checkbox"/>	Repairing Well <input checked="" type="checkbox"/>
Fracture Treat <input type="checkbox"/>	Multiple Complete <input type="checkbox"/>	Fracture Treatment <input type="checkbox"/>	Altering Casing <input type="checkbox"/>
Shoot or Acidize <input type="checkbox"/>	Abandon * <input type="checkbox"/>	Shooting/Acidizing <input type="checkbox"/>	Abandonment * <input type="checkbox"/>
Repair Well <input type="checkbox"/>	Change Plans <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zone pertinent to this work) \*

Workover of MCU Well R-19 was performed because pressure was detected on the casing/tubing annulus.

2/26/90 MIRU Pulling unit.  
2/27/90 Closed downhole shutoff valve, circulated out packer fluid, laid down 2 3/8" tubing.  
2/28/90 Pick up 2 7/8" work string and run in hole with tubing and new on/off tool top assembly.  
3/01/90 Rig up Dowell pumped 147 Bbls of kill mud down tubing. Open shut off valve, pump 50 Bbl lost circulation pill down tubing. Well on slight vacuum.  
3/02/90 Closed shutoff valve, circulated out 30 Bbl of pill. Open shutoff valve and pumped 15 Bbl of 11.4 kill mud down tubing, no pressure. Dowell broke down. Shut in for night.  
3/04/90 Mixed lost circulation pill and pumped 30 Bbls, 20 Bbl below packer, 10 in tubing.  
3/05/90 Unable to get circulation. Mixed 50 Bbl lost circulation pill and pumped 34 Bbls below packer.  
3/06/90 Had partial circulation. POH with sealbore, shutoff valve and on/off tool. RIH with milling equipment and begin to mill on permanent packer.  
3/07/90 Milled over packer. Pulled packer to 4895'. Tight spot in casing stuck packer. Pulled free. POH with fishing tools. Left shell of packer in hole.  
3/08/90 RIH with fishing tools and taper tap. Caught fish. POH with tubing and fish. RIH with bit bit and scraper to 5608'. Had only partial circulation returns. Mixed 40 Bbl lost circulation pill and spotted pill on bottom.  
3/09/90 Attempted to drill with no returns, failed. POH with drilling equipment. RIH with bailer. Cleaned fill to 5854'. Pull up 12 stands.

UIC	
GLH	<input checked="" type="checkbox"/>
DJJ	<input checked="" type="checkbox"/>
BGH	<input checked="" type="checkbox"/>
COMPUTER	<input checked="" type="checkbox"/>
MICROFILM	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>

3/12/90 POH with bailer and tubing. Rig up Schlumberger. Logged casing, found hole in casing at top of Desert Creek I zone. Rigged down Schlumberger. RIH with tubing for kill string.  
3/13/90 POH with tubing. RIH with cement retainer on end of tubing. Set retainer at 5533'. Rolled hole with fresh water.  
3/14/90 Stung into retainer with tubing. Flowed back mud. Rig up Halliburton. Squeezed hole with 400 Sx Class G cement. FPP 3000 Psi. Stung out of retainer. Circulated out excess cement.  
3/15/90 POH with tubing and stinger. RIH with bit and scraper. Drill out cement.  
3/16/90 Continued to drill on retainer.  
3/19/90 Drilled out cement to 5285'. Encountered tight spot in casing could not drill any further. pressure test casing to 1000 Psi. Held pressure for 15 minutes. Tested OK. Released pressure.  
3/20/90 Condition mud, roll hole with kill mud. POH with drilling equipment.  
3/21/90 Rig up Jet West Perforators. Tag bottom @ 5785'. Shot Desert Creek I intervals 5700'-14', 5725'-35' and 5735'-60'. Rig down Jet West. RIH with tubing and packer @ 5550'. Closed shutoff valve. Circulated out mud in casing above packer.  
3/22/90 Open shutoff valve. Unable to pump into perfs. Started to flow well back to pit.  
3/23/90 Shut in pressure 590#. Well flowed one hour and died. No flow.  
3/26-27/90 Shut in waiting on coiled tubing unit.  
3/28/90 Rig up coiled tubing unit. Wash out mud below packer to PBTD. Rig down coiled tubing. Rig up Dowell. Pumped down tubing with fresh water. Established rate of 3/4 BPM @ 2450 Psi.  
3/29/90 Shut in tubing pressure 500 Psi. Closed shut off valve and POH with workstring. Layed down workstring. Begin to run 2 7/8" cement lined tubing and new on/off tool.  
3/30/90 Finished running injection string. Landed tubing and nipple up tree. Pressure tested casing to 1200 Psi for 30 minutes. Pressure held OK. Released pressure. Rig down, move off. Retruned well to injection.

---

18. I hereby certify that the foregoing is true and correct

Signed: M. T. Balaz Title: Staff Operations Engineer Date: 04/30/90

---

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other **INJECTION WELL**

2. Name of Operator

**MOBIL OIL CORPORATION**

3. Address and Telephone No.

**P.O. BOX 633 MIDLAND, TX 79702**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1980' FSL 660' FWL SEC.9, T41S, R25E**

5. Lease Designation and Serial No.  
**14-20-603-359**

6. If Indian, Allottee or Tribe Name

**NAVAJO TRIBAL**

7. If Unit or CA, Agreement Designation  
**MCELMO CREEK UNIT**

8. Well Name and No.  
**R-19**

9. API Well No.  
**43 037 16373**

10. Field and Pool, or Exploratory Area  
**GREATER ANETH**

11. County or Parish, State  
**SAN JUAN, UT**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **REPLACE TBG.**
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**10-19-90 MIRU W/RIG POH W/TBG**

**10-29-90 RIH W/CMT LINED TBG. SET PKR @5541. PRESS TEST 7 ANN & PKR TO 1000#/OK.  
RD & REL POOL WELL SERVICE. TURN TO PRODUCTION.**

14. I hereby certify that the foregoing is true and correct

Signed

*Shirley Todd*

**SHIRLEY TODD**

Title **PRORATION ANALYST**

Date **1-10-90**

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other **INJECTION**

2. Name of Operator

**MOBIL OIL CORPORATION**

3. Address and Telephone No.

**P.O. BOX 633, MIDLAND, TX 79702**

**(915) 688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1980' FSL, 660' FWL SEC. 9, T41S, R25E**

**FORM APPROVED**

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

**14-20-603-359**

6. If Indian, Allottee or Tribe Name

**NAVAJO TRIBAL**

7. If Unit or CA, Agreement Designation

**McELMO CREEK UNIT**

8. Well Name and No.

**R-19**

9. API Well No.

**43-037-16373**

10. Field and Pool, or Exploratory Area

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN, UTAH**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |  |  |
|--|--|
| <input type="checkbox"/> Abandonment                     | <input type="checkbox"/> Change of Plans         |
| <input type="checkbox"/> Recompletion                    | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Plugging Back                   | <input type="checkbox"/> Non-Routine Fracturing  |
| <input type="checkbox"/> Casing Repair                   | <input type="checkbox"/> Water Shut-Off          |
| <input type="checkbox"/> Altering Casing                 | <input type="checkbox"/> Conversion to Injection |
| <input checked="" type="checkbox"/> Other <b>SQUEEZE</b> | <input type="checkbox"/> Dispose Water           |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SEE ATTACHMENT

Accepted by the State  
of Utah Division of  
Oil, Gas and Mining

Date: 1-30-92

By: A. H. P.

RECEIVED

JAN 27 1992

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Todd

**SHIRLEY TODD**

Title

**EVIR. & REG. TECH**

Date

**1/23/91**

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

*Federal Approval of this  
Action is Necessary*

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

RECOMMENDED WORK PROCEDURELEASE McElmo Creek UnitWELL NO. R-19ZONE Desert Creek I&II. IsmayRES. PRESS 2525 psi est

ANNULAR FLUID PRIOR TO WORKOVER Produced Fluids  
WORKOVER FLUID TO BE USED 10 ppm brine HYD. PRESS 2942 psi

**SERVICES:**

Cementing: Dowell/Schlumberger (DS), Farmington, NM.  
(505) 325-5096.  
Liner Hanger: Baker Service Tools, Farmington, NM.  
(505) 325-0216.  
Liner Float Equip.: Baker Oil Tools, Farmington, NM.  
(505) 327-6274.  
Injection Packer: Baker Oil Tools, Farmington, NM.  
(505) 327-6274.  
Cement Eval.: Schlumberger, Farmington, NM. (505) 325-5006.  
Perforating: Schlumberger, Farmington, NM. (505) 325-5006.  
Acidizing: Halliburton, Farmington, NM. (505) 325-3575  
Premium Tongs: Weatherford Full Radius Tongs w/ 360 deg.  
integral backup, Farmington, NM. (505) 325-4569.  
Casing Service Hand: Atlas-Bradford, Houston, TX.  
(713) 675-9211.  
Tubing Service Hand: Permian Enterprises, Odessa, TX.  
(915) 683-1084.  
Misc. Service Tools: Mountain States Oil Tools, Cortez, CO.  
(303) 365-4390.  
Misc. Wireline Service: Foreman's discretion.

1. Net all workover pits and open tanks. Notify EPA representative (Ken Lingo, Farmington, NM. (505) 327-6818) 24 hours prior to squeezing or MIT.
2. MIRU DDPU equipped for 24 hour service. Bleed casing pressure (if any--report casing pressure/casing flow to engineer.). Close master valve. Install 4' lifting sub in tree. Remove tubing head/casing head bolts. MI Baker service hand. Close Baker model "B" S.O.V. (assure valve is holding by testing tbg for blow) and release 2-7/8" Baker "HEL" on/off tool with left-hand rotation. ND WH. NU adapter flange and 7-1/16" 900 series BOP (WP 3000 psi, TP 6000 psi) w/upper rams for 2-7/8" 6.5 ppf J-55 EUE BRD tbg and blank rubbers in lower rams. Install new seal ring and NU all 12 bolts on adapter/BOP flange. Test BOP to 1000 psi for 10 minutes.

3. MI 140 bbl transport w/ 10 ppg brine and circulate brine for kill fluid. Latch onto on/off tool, open S.O.V., and release 2-7/8"x7" Baker Inverted Lok-set Incoloy pkr at  $\pm 5541'$ . POOH w/ injection string ( $\pm 180$  jts 2-7/8" 6.5 ppf J-55 EUE BRD Fluoroline cmt lined tbg w/ Threadmaster torque ring cpigs, on/off tool, S.O.V. and 2-7/8"x7" pkr). Send pkr to Baker Oil Tools (Farmington, NM) to be redressed. Stand tbg in derrick. RDMO Baker service hand.
4. MIRU tbg testers. PU  $\pm 171$  jts 2-7/8" 6.5 ppf J-55 EUE BRD tbg for workstring (WS). RIH w/ treating pkr and RBP for 7" 23 ppf csg on WS, testing tbg to 5000 psi. RDMO tbg testers. Tag PBTD (5785').
5. Test for and isolate casing leak as follows:
  - a) PUH and set RBP at 5550'. PUH and set pkr at 5540' and test pkr and RBP in blank pipe to 500 psi.
  - b) Release pkr, PUH, and set pkr at 5000'. Load backside w/ 10 ppg brine, RU on csg, and test 0'-5000' for casing leak to 500 psi. Bleed pressure.
  - c) RU on tbg and test 5500'-5000' for csg leak. Bleed pressure.
  - d) Release pkr, PUH, and repeat step (b) at 4000', 3000', 2000', and 1000', or until leak top is found.
  - e) RIH and release RBP. PUH and isolate leak with pkr and RBP.
  - f) Pump into leak to establish rate and determine if circulation is possible to surface via bradenhead. Consult with engineer on sqz procedure.

If leak is isolated below 5000', and no circulation is possible, no additional squeeze may be necessary. The following squeeze will cover the interval from 5000' to PBTD.

6. TOOH w/ pkr and RBP. LD RBP. RIH w/ pkr and set at 5500'. MIRU DS and squeeze D.C. I&II and Ismay zones as follows:

- a) Est. rate w/ 10 ppg brine.
- b) Rel. pkr and RIH to PSTD (5785'). Spot 36 sx class G neat (36 sx = 41 ft<sup>3</sup> = 185' 7" 23 ppf csg) while PUH.
- c) PUH, reverse 10 bbls into tbq, and set pkr at 5000'.
- d) Pump 50 sx class G w/ 3% CC and 0.8% D127 FL additive, followed by 75 sx class G neat, hesitating as necessary to obtain a 1000 psi sqz.
- e) If sqz is not obtained, overdisplace 5 bbls into formation and repeat step (c) with 50 sx class G neat.
- f) RDMO DS.
- g) Hold pressure on sqz, and WOC for 24 hrs (pkr should be sufficiently above cmt in csg).
- h) Release pkr and POOH.

Class G neat:

Yield: 1.145 ft<sup>3</sup>/sk  
Weight: 15.8 lb/gal  
Pump Time: ±2 hours  
Fluid Loss: 1000-1200 cc/30 min.

Class G w/ additives:

Yield: 1.145 ft<sup>3</sup>/sk  
Weight: 15.8 lb/gal  
Pump Time: ±60 minutes  
Fluid Loss: 10-25 cc/30 min.

7. RIH w/ 6-1/8" bit, collars, and stabilizers on WS. RU reverse unit and power swivel. DO cmt to TD (5920'). RD rev. unit and swivel. POOH and LD tools.
8. MIRU WL. NU lubricator. Make GR-caliper run from TD (5920') to 5050'. Use Schlumberger GR-Neutron dated 3-4-58 for correlating depths. RD lubricator. RDMO WL.
9. MIRU Weatherford standard (85% coverage) tongs w/ crew, Baker service hand, and AB rep. Change out rams on BOP for 5-1/2" 17 ppf casing. MI 21 jts 5-1/2" 17 ppf L-80 Atlas-Bradford FL-4S FJ casing. PU casing and RIH on WS as follows:
  - a) 1 jt csg w/ insert guide shoe and insert float valve in place,
  - b) 2 jts csg,
  - c) 1 jt csg w/ insert landing collar on bottom (landing collar will be 3 jts (±120') jts off bottom),
  - d) 17 jts csg,
  - e) 1 Baker HYFLO III 5-1/2" 17 ppf liner hanger w/ 5-1/2" AB FL-4S thread,
  - f) 1 Baker 5-1/2"x7" 23 ppf, liner packer w/ hold-downs.



RDMD tongs w/ crew, AB service hand, change out rams on BOP for 2-7/8" 6.5 ppf WS, and RU rig tongs for 2-7/8" tbg.

NOTE: PU 2.347" drift for 2-7/8" J-55 6.5 ppf tbg and drift WS to assure passage of 1.812" OD pump down plug. Clean pipe dope off box ends, install seal rings, and re-dope. Use API modified thread compound on AB FL-46 connections. Torque L-80 connections to 3000 ft-lbs min, 3300 ft-lbs optimum, 3600 ft-lbs max.

10. MIRU DS. Test lines to 3000 psi. Cement liner as follows:

- a) Tag TD (5920') w/ liner. PU and hang liner 1 ft off bottom. Release pkr from hanger and sting into hanger.
- b) Circulate bottoms up twice w/ produced water.
- c) Pump 20 bbls CW100 wash at 5 BPM.
- d) Pump 155 sx class G w/ additives at 5 BPM.
- e) Drop wiper plug.
- f) Displace cmt with 35 bbls 10 ppg produced water with rig pumps at 5 BPM.
- g) Slow displacement rate to 3 BPM for last 10 bbls.
- h) Land top plug and pressure up to 2000 psi. Check floats to determine they are holding.
- i) PU and RD excess cmt.
- j) Set pkr.
- k) POOH w/ WS and setting tool.

Class G cement additives:

279	gals D600
16	gals D135
8	gals D47
36	lbs D65

Class G w/ additives:

Yield:	1.165 ft <sup>3</sup> /sk
Weight:	15.8 lb/gal
Pump Time:	4:32 at 90 F
Fluid Loss:	34 cc/30 min at 90 F

11. PU and RIH w/ 6-1/8" bit and collars on WS. RU reverse unit and power swivel. DO cmt to liner top (5080'). Test liner top to 500 psi for 15 minutes. POOH w/ WS, bit, and collars. If necessary, RD rev. unit and swivel, and sqz liner top.
12. PU and RIH w/ 4-3/4" bit and necessary collars on WS. Tag cmt and DO/CO liner to FC (PBD =  $\pm 5800'$ ). Test liner to 500 psi for 15 minutes.

13. MIRU acid pump truck. Pickle tbg w/ 500 gals 7-1/2% HCl w/ no additives. Pump pickle 5 bbls past bit at  $\leq 1$  BPM. RO pickle to pit at  $\leq 1$  BPM. POOH w/ WS, bit, and collars. RD rev. unit and swivel.
14. MIRU Schlumberger. NU full lubricator. PU and RIH w/ CBL-VDL-GR-CCL and log PBTD (5800') to liner top (5080'). POOH w/ tools. PU and RIH w/ perforating assembly and CCL and perforate Desert Creek zone I as follows:

Group	Depth	Feet	Holes
I	5725'-59'	34	69

NOTE: Use Schlumberger GR-N Log dated 3-4-58 for correlating depths on CBL. Use CBL for correlating depths for perforating.

Gun Specs: Schlumberger 4" HEG w/ 22.7 gm DP 41B HJ SX1 (210 F) charges, 2 JSPPF, 180 degree phasing.  
API Section I Data: EH = 0.46 in. PEN = 21.43 in.  
API Section II Data: N/A.

POOH w/ perforating assembly. RD lubricator. RDMD perforators.

15. PU PPI treating pkr w/ 4' spacing for 5-1/2" 17 ppf csg. RIH to 5700'. Drop valve rod assembly. RIH and set pkr w/ bottom element at 5759'. MIRU acid pump truck and transport w/ produced water. Stimulate new perfs 5759'-25' (34' OA) in 9 settings w/ 2 bbls setting of 15% HCl w/ additives ("acid").

\* Maximum rate = 2 BPM (PPI tool limit)

\* Maximum pressure = 2000 psi

\* total volume of 15% FE HCl = 756 gals.

16. RU SL. Retrieve valve rod assembly. RD SL. PUH and set pkr at 5650'.

Stimulate D.C. I perfs 5759'-25' (34' OA) as follows:

- Est. rate w/ produced water. If 1 BPM rate can not be established w/ 2000 psi TTP, open bypass on pkr, spot 200 gals acid to end of tubing, and bullhead acid to est. rate. If perfs can not be pumped into, release pkr, RIH and spot 200 gals acid across perfs, PUH, reset pkr, and est. rate.
- Pump 2500 gals acid.
- Flush w/ 40 bbls 10 ppg brine.

RDMD acid pump truck.

\* Maximum pressure = 2000 psi

\* total volume of 15% FE HCl = 2500 gals.

POOH w/ pkr.

17. MIRU perforators. NU full lubricator. PU and RIH w/ perforating assembly and CCL and perforate Desert Creek zone I as follows:

Group	Depth	Feet	Holes
I	5704'-11'	7	15

NOTE: Use Schlumberger CCL-CBL from step 14 for correlating depths.

Gun Specs: Schlumberger 4" HEG w/ 22.7 gm DP 41B HJ SX1 (210 F) charges, 2 JSPF, 180 degree phasing.  
API Section I Data: EH = 0.46 in. PEN = 21.43 in.  
API Section II Data: N/A.

POOH w/ perforating assembly. RD lubricator. RDMD perforators.

18. PU PPI treating pkr w/ 2' spacing and RBP for 5-1/2" 17 ppf csg. RIH and set RBP at 5720'. PUH to 5680'. Drop valve rod assembly. RIH and set pkr w/ bottom element at 5711'. MIRU acid pump truck and transport w/ produced water.

Stimulate new perfs 5711'-04' (7' OA) in 4 settings w/ 2 bbls setting of 15% HCl w/ additives ("acid").

\* Maximum rate = 2 BPM (PPI tool limit)

\* Maximum pressure = 2000 psi

\* total volume of 15% FE HCl = 336 gals.

19. RU SL. Retrieve valve rod assembly. RD SL. PUH and set pkr at 5650'.

Stimulate D.C. I perfs 5711'-04' (7' OA) as follows:

a) Est. rate w/ produced water. If 1 BPM rate can not be established w/ 2000 psi TTF, open bypass on pkr, spot 200 gals acid to end of tubing, and bullhead acid to est. rate. If perfs can not be pumped into, release pkr, RIH and spot 200 gals acid across perfs, PUH, reset pkr, and est. rate.

b) Pump 800 gals acid.

c) Flush w/ 40 bbls 10 ppg brine.

RDMD acid pump truck.

\* Maximum pressure = 2000 psi

\* total volume of 15% FE HCl = 800 gals.

HC1 Additives per 1000 gals  
(for main HC1)

2 gals Inhibitor (HAI-85)  
3 gals Surfactant (HYFLO-IV)  
2 gals Anti-sludging agent (AS-3)  
10 gals SCA-13  
90 lbs iron control (FE-III)  
600 lbs Salt

20. Release pkr and RBP. PUH and set pkr at 5600' w/ RBP swinging. RU swab. Swab back load. RD swab.
21. MI racks for workstring. Release pkr. FOOH and LD pkr, RBP, and WS.
22. MIRU premium (360 deg) tong service and Permian service hand. PU redressed 5-1/2" Baker Inverted Lok-Set IPC pkr for 5-1/2" 17 ppf csg, S.O.V., and on/off tool. RIH on 2-7/8" 6.5 ppf EUE BRD Fluoroline cmt lined tbg w/ Threadmaster torque ring couplings. Set pkr at 5675' w/ neutral weight at on/off tool.
- NOTE: Lubricate seal section of on/off tool w/ Baker tubing seal grease.
- NOTE: Make-up specification for torque ring couplings is 1000 psi ft-lbs torque after pins shoulder up to torque ring. Use Baker Super-B thread compound.
23. Close S.O.V. and get off of on/off tool. Circulate produced water treated w/ Tretolite KW-37 for packer fluid. Latch onto on/off tool and open S.O.V. Pull  $\pm 500$  lbs tension into packer.
24. Notify EPA of MIT 24 hrs in advance. Pressure test tbg/csg annulus to 1000 psi for 30 minutes. Record MIT on chart recorder and send copy to ER (C.J. Benally, Cortez Office).
25. ND BOP, NU WH. RDMD PU. Return well to injection.
26. Allow well to stabilize. Notify JE Green, MCU Engr. Tech., to run after WD profile log. Report results to engineer.

/MTC

FOR

JOB OR AUTH. NO.

LOCATION

MCU R-19

PAGE

SUBJECT

PRESENT SETTING

DATE

12-5-91

BY

MTC

KB: 4920'  
GL: 4904'

10-3/4" 32.75 ppf,  
H-40, BRD, ST+C  
at 1282' w/ 700 SX  
Circ.

± 178 jts 2-7/8" J-55 EUE  
BRD 6.5 ppf Fluoroline cmt  
lined tog w/ Threadmaster  
torque ring couplings.

Baker "HEL" on/off tool.  
Baker model "B" S.O.V.  
Baker Inverted Lok-Set  
at 5541'.

5704-11  
5725-59

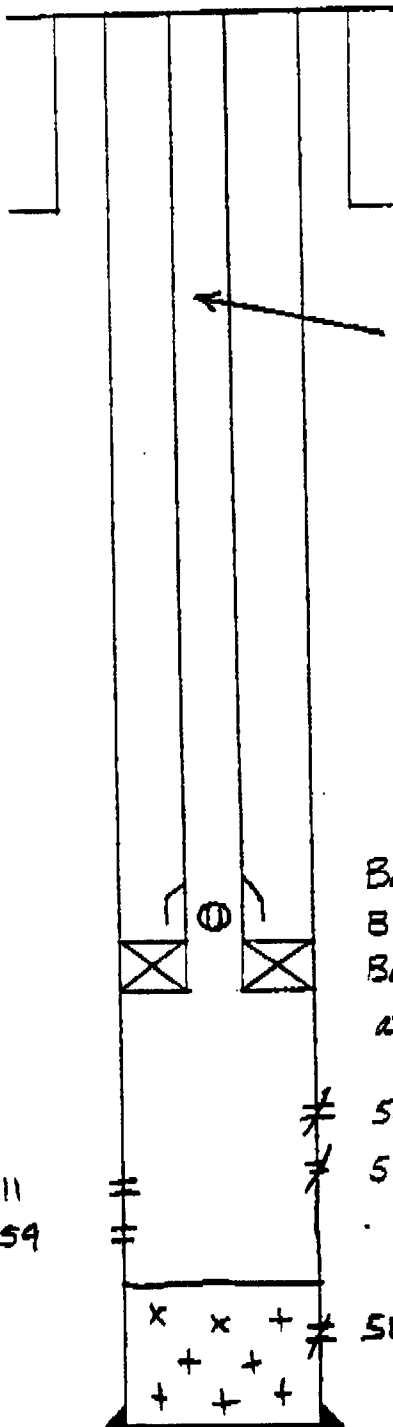
5628-32 (SO2'D)

5644-52, 5660-64 (SO2'D)

5622-32' (SO2'D)

7" 20423 ppf  
N-80 @ 5920'  
w/ 900 SX  
TAC = 2100'

TD = 5920'



FOR

JOB OR AUTH. NO.

LOCATION MCU R-19

PAGE

SUBJECT Proposed SettingDATE 12-5-91BY MTC

KB: 4420'  
GL: 4404'

10-3/4", 32.75 ppf,  
H-40, BRD, SRC  
at 1282' w/ 700SX  
Circ.

± 181 jts 2-7/8" J-55 FUE  
BRD 6.5 ppf Fluoroline  
Cmt lined tog w/  
Threadmaster torque  
ring couplings.

Baker 5 1/2" x 7" 23 ppf liner  
packer w/ hold downs  
Baker 5 1/2" 17 ppf liner hanger  
TOL at ± 5080'

Baker 5 1/2" Inverted Lok-Set  
w/ TK-70 IPC at 5675'.

5704-11'

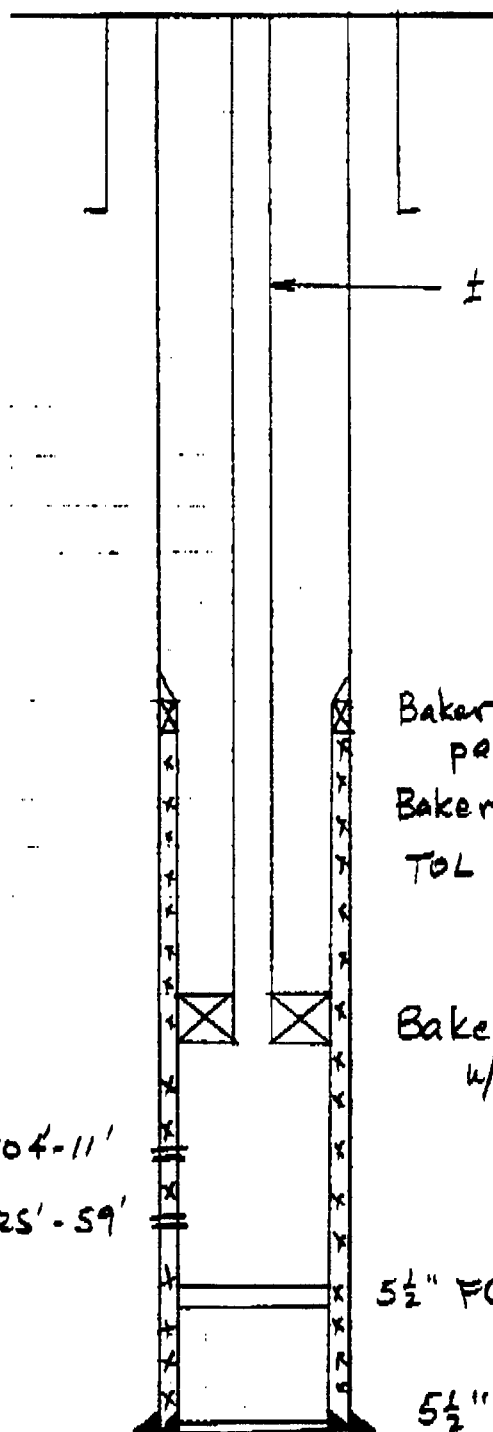
5725'-59'

5 1/2" FC at 5800'

7" 20423 N-80  
@ 5920' w/ 900 SX  
TOL = 2100'

TD = 5920'

5 1/2" 17 ppf  
AB FL-16 FS  
w/ 155 SX.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>INJECTION WELL</b>	5. Lease Designation and Serial No. <b>14-20-603-359</b>
2. Name of Operator <b>MOBIL OIL CORPORATION</b>	6. If Indian, Allottee or Tribe Name <b>NAVAJO TRIBAL</b>
3. Address and Telephone No. <b>P O BOX 633 MIDLAND TX 79702 (915) 688-2585</b>	7. If Unit or CA, Agreement Designation <b>MCELMO CREEK UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1980' FSL, 660' FWL SEC. 9, T41S, R25E</b>	8. Well Name and No. <b>R-19</b>
	9. API Well No. <b>43-037-16373</b>
	10. Field and Pool, or Exploratory Area <b>GREATER ANETH</b>
	11. County or Parish, State <b>SAN JUAN, UT</b>

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other <b>ELASTOMER SQUEEZE</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

11-11-92 MIRU NU BOP. LOAD TBH W/BW  
11-12-92 TEST ANN TO 500# CIRC HOLW 2/262 BBLS 10# BW. REL PKR.  
11-13-92 GIH W/BIT & CSG SCRAPPER.  
11-15-92 SET CIBP @ 5696' & CAP W/4' CMT.. NEW PBTD @ 5692. SET CMT RET. @ 5592'.  
11-16-92 PUMPED 7 BBLS WTR FOLLOWED W/18 BBLS CMT AND 18 BBLS WTR. SET RET. @ 5596'.  
11-17-92 TAGGED TOC @ 5120'. DRILLED ELASTOMER CMT TO RET.  
11-18-92 DRILL ON CMT RET.  
11-19-92 DRILL SQZ 5600' TO 5648'.  
11-20-92 DRILL ELASTOMER SQZ 5648' - 5693'. TEST SQZ TO 1000 PSI FOR 30 MINS/OK. TEST SQZ TO 1500#/30 MIN.  
11-21-92 DRILL CIBP.  
11-22-92 DRILL OUT CIBP. RIH TO PBTD @ 5785'. CIRC. CLEAN.  
11-23-92 SET PKR @ 5541'. PRESS TEST TO 1000 PSI FOR 30 MIN. ND. BOP. DISPLACE ANNULUS W/PKR FLUID. TEST PKR/CSG TO 1050 # FOR 30 MIN.  
11-24-92 RD. TURNED WELL TO PRODUCTION.

RECEIVED

DEC 04 1992

DIVISION OF

14. I hereby certify that the foregoing is true and correct

Signed Shirley Todd SHIRLEY TODD

Title ENV. & REG. TECHNICIAN

Date 11-30-92

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_

☐ Suspense \_\_\_\_\_

☒ Other \_\_\_\_\_

(Location) Sec \_\_\_ Twp \_\_\_ Rng \_\_\_

(Return Date) \_\_\_\_\_

OPER NM CHG \_\_\_\_\_

(API No.) \_\_\_\_\_

(To - Initials) \_\_\_\_\_

1. Date of Phone Call: 8-3-95 Time: \_\_\_\_\_

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)  
Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. ( ) \_\_\_\_\_

of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: \_\_\_\_\_

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

\*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).



# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RECEIVED  
MAY 16 1986

Attn: R. J. Firth  
Associate Director

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



R. D. Baker  
Environmental Regulatory Manager

CNE/rd  
CNE8661

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

1- <del>LFC</del>	7-PL
2-LWP	8-SJV
3- <del>DES</del>	9-FILE
4-VLC	
5-RJF	
6-LWP	

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      **XXX** Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303) **564-5212**  
 account no. **N7370**

FROM (former operator) **M E P N A**  
 (address) **C/O MOBIL OIL CORP**  
**PO DRAWER G**  
**CORTEZ CO 81321**  
 phone (303) **564-5212**  
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: <b>** SEE ATTACHED **</b>	API: <u>037-16373</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only) *\* No Fee Lease Wells at this time!*

- N/A* *Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- \_\_\_ 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* *OTS* *8/5/95* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

### FILMING

- ✓* 1. All attachments to this form have been microfilmed. Date: October 4 1995.

### FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

*950803 UIC F5/Not necessary!*

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓MEPNA (MOBIL	43-037-30974	G-21A	41S	24E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16344	E-23	41S	24E	14	INJW	Y
✓MEPNA (MOBIL	43-037-16343	E-21	41S	24E	14	INJW	Y
✓MEPNA (MOBIL	43-037-16353	I-25	41S	24E	24	INJW	Y
✓MEPNA (MOBIL	43-037-16349	G-25	41S	24E	24	INJW	Y
✓MEPNA (MOBIL	43-037-16384	V-15	41S	25E	3	INJI	Y
✓MEPNA (MOBIL	43-037-16383	V-13	41S	25E	3	INJW	Y
✓MEPNA (MOBIL	43-037-16157	U-16	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16148	R-13	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16149	R-15	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16378	T-13	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16379	T-15	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16156	U-14	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16152	S-16	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16151	S-14	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16365	O-14	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15969	O-16	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-16363	N-15	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15966	N-13	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15975	Q-16	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15974	Q-14	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15972	P-15	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-16368	P-13	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15960	L-15	41S	25E	6	INJI	Y
✓MEPNA (MOBIL	43-037-16355	J-13	41S	25E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15959	L-13	41S	25E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15963	M-14	41S	25E	6	INJI	Y
✓MEPNA (MOBIL	43-037-15957	K-16	41S	25E	6	INJI	Y
✓MEPNA (MOBIL	43-037-15954	J-15	41S	25E	6	INJI	Y
✓MEPNA (MOBIL	43-037-15956	K-14	41S	25E	6	INJW	Y
✓MEPNA (MOBIL	43-037-16361	M-16	41S	25E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15498	J-17	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15511	M-20	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15510	M-18	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15505	L-19	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16360	L-17	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15503	K-20	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16357	K-18	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16356	J-19	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15519	P-17	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-15515	N-19	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-15514	N-17	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-15520	P-19	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-15517	O-18	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-16373	R-19	41S	25E	9	INJW	Y
✓MEPNA (MOBIL	43-037-15976	R-17	41S	25E	9	INJI	Y
✓MEPNA (MOBIL	43-037-16380	T-17	41S	25E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16374	R-21	41S	25E	16	INJW	Y
✓MEPNA (MOBIL	43-037-31439	P-23A	41S	25E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15516	N-21	41S	25E	17	INJW	Y
✓MEPNA (MOBIL	43-037-16369	P-21	41S	25E	17	INJW	Y
✓MEPNA (MOBIL	43-037-16364	N-23	41S	25E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15507	L-23	41S	25E	18	INJW	Y

June 27, 2001

**ExxonMobil**  
*Production*

Mr. Jim Thompson  
State of Utah, Division of Oil, Gas and Mining  
1549 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF  
OIL AND MINING



IN REPLY REFER TO:

# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
 XXXXXXXXXXXXXXXX  
 Navajo Area Office  
 NAVAJO REGION

P.O. Box 1060  
 Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

## CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor  
 Exxon Mobil Production Company  
 U. S. West  
 P. O. Box 4358  
 Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENNET DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓  
 Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>Q.7M</i>
NATV AMIN COORD	
SOLID MIN TEAM	
PETRO MENT TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

**ExxonMobil Production Company**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

7/12/2001

543

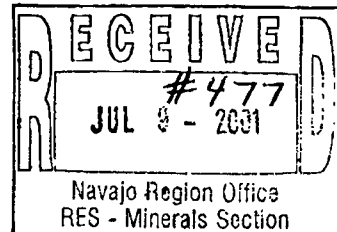
File

June 27, 2001

Certified Mail  
Return Receipt Requested

Ms. Genni Denetsone  
United States Department of the Interior  
Bureau of Indian Affairs, Navajo Region  
Real Estate Services  
P. O. Box 1060  
Gallup, New Mexico 87305-1060  
Mail Code 543

**ExxonMobil**  
Production



Change of Name --  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-. Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

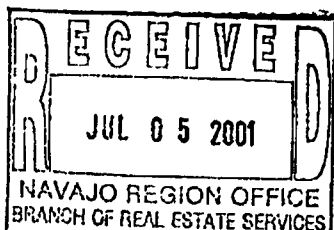
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Issa

Bureau of Indian Affairs  
Navajo Region Office  
Attn: RRES - Mineral and Mining Section  
P.O. Box 1060  
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

#### OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

#### DIRECTORS

Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800, whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



Signature

AGENT AND ATTORNEY IN FACT

Title

SAL



**CERTIFICATION**

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

**CHANGE OF COMPANY NAME**

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

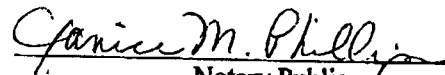
FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

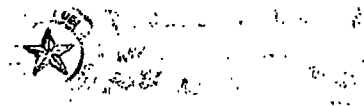
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

  
Assistant Secretary

COUNTY OF DALLAS )  
STATE OF TEXAS )  
UNITED STATES OF AMERICA )

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

  
Notary Public



**LISTING OF LEASES OF MOBIL OIL CORPORATION****Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

**CHUBB GROUP OF INSURANCE COMPANIES**

One Chubb Place, Suite 1400, Houston, Texas 77027-3301  
Tel: (713) 297-4600 • Fax: (713) 297-4750

*NW Bond*

**FEDERAL INSURANCE COMPANY RIDER**  
to be attached to and form a part of

**BOND NO 8027 31 97**

wherein

**Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is**  
named as Principal and

**FEDERAL INSURANCE COMPANY AS SURETY,**

**in favor of United States of America, Department of the Interior**  
**Bureau of Indian Affairs**

**in the amount of \$150,000.00**  
**bond date: 11/01/65**

**IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001**  
the name of the Principal is changed

**FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.**

**TO : ExxonMobil Oil Corporation**

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12<sup>th</sup> of June, 2001.

**ExxonMobil Oil Corporation**

By: 

**FEDERAL INSURANCE COMPANY**

By:   
Mary Pierson, Attorney-in-fact

**Chubb  
Surety****POWER  
OF  
ATTORNEY****Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company****Attn.: Surety Department  
15 Mountain View Road  
Warren, NJ 07059**

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint R.F. Bobo,  
Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson  
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in his presence.



Notary Public State of New Jersey  
No. 2231647

Commission Expires Oct. 28, 2004

Karen A. Price

Notary Public

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-In-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY  
Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,  
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC  
CSC

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06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.133 03/04

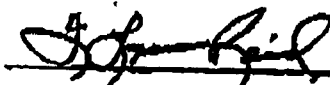
FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.

  
F. A. Risch, President

STATE OF TEXAS       )  
COUNTY OF DALLAS    )

F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]

  
NOTARY PUBLIC, STATE OF TEXAS



=&gt; CSC

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06/01'01 08:19

CSC  
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02  
06/01 '01 09:06 NO. 133 04/04  
**F010601000187****CSC 45****CERTIFICATE OF AMENDMENT****OF****MOBIL OIL CORPORATION**

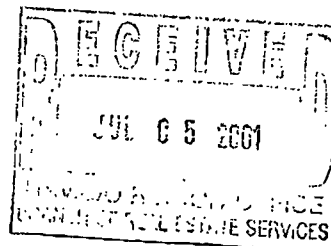
Under Section 805 of the Business Corporation Law

100 cc  
**STATE OF NEW YORK  
DEPARTMENT OF STATE**Filed by: EXXONMOBIL CORPORATION  
(Name)

FILED JUN 01 2001

5959 Las Colinas Blvd.  
(Mailing address)

TAX \$

BY: *SAC*Irving, TX 75039-2298  
(City, State and Zip code)*ny Albany**Cust Ref # 1655781MPJ***010601000195**

=&gt; CSC

TEL=5184334741

06/01'01 08:19

*State of New York }  
Department of State } ss:*

*I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.*

*Witness my hand and seal of the Department of State on* **JUN 01 2001**



*Special Deputy Secretary of State*



## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

<b>FROM: (Old Operator):</b>	<b>TO: ( New Operator):</b>
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit: MCELMO CREEK

## WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NAVAJO C 42-6 (MCELMO CREEK M-14)	06-41S-25E	43-037-15963	99990	INDIAN	WI	A
NAVAJO C 11-6 (MCELMO CREEK J-13)	06-41S-25E	43-037-16355	99990	INDIAN	WI	A
NAVAJO C-2 (MCELMO CREEK M-16)	06-41S-25E	43-037-16361	99990	INDIAN	WI	A
NAVAJO 114-6 (MCELMO CREEK J-17)	07-41S-25E	43-037-15498	99990	INDIAN	WI	A
MCELMO CR K-20	07-41S-25E	43-037-15503	5980	INDIAN	WI	A
MCELMO CR L-19	07-41S-25E	43-037-15505	99990	INDIAN	WI	A
MCELMO CR M-18	07-41S-25E	43-037-15510	5980	INDIAN	WI	A
MCELMO CR M-20	07-41S-25E	43-037-15511	5980	INDIAN	WI	A
MCELMO CR J-19	07-41S-25E	43-037-16356	99990	INDIAN	WI	A
NAVAJO 114-18 (MCELMO CREEK K-18)	07-41S-25E	43-037-16357	99990	INDIAN	WI	A
NAVAJO 114-9 (MCELMO CREEK L-17)	07-41S-25E	43-037-16360	99990	INDIAN	WI	A
NAVAJO 114-1 (MCELMO CREEK N-17)	08-41S-25E	43-037-15514	99990	INDIAN	WI	A
NAVAJO 114-2 (MCELMO CREEK N-19)	08-41S-25E	43-037-15515	99990	INDIAN	WI	A
NAVAJO 114-11 (MCELMO CREEK O-18)	08-41S-25E	43-037-15517	99990	INDIAN	WI	A
NAVAJO 114-10 (MCELMO CREEK P-17)	08-41S-25E	43-037-15519	99990	INDIAN	WI	A
NAVAJO 114-4 (MCELMO CREEK P-19)	08-41S-25E	43-037-15520	99990	INDIAN	WI	A
NAVAJO J 11-9 (MCELMO CREEK R-17)	09-41S-25E	43-037-15976	99990	INDIAN	WI	A
NAVAJO J-2 (MCELMO CREEK R-19)	09-41S-25E	43-037-16373	99990	INDIAN	WI	A
NAVAJO J 31-9 (MCELMO CREEK T-17)	09-41S-25E	43-037-16380	99990	INDIAN	WI	A
NAVAJO J 11-16 (MCELMO CREEK R-21)	16-41S-25E	43-037-16374	99990	INDIAN	WI	A

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")**

The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 04/16/2002

**NOTE: EPA ISSUES UIC PERMITS**

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/16/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/16/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: N/A

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: N/A

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 80273197

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

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Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ

2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**6/1/2006**

**FROM:** (Old Operator):

N1855-ExxonMobil Oil Corporation  
 PO Box 4358  
 Houston, TX 77210-4358

Phone: 1 (281) 654-1936

**TO:** ( New Operator):

N2700-Resolute Natural Resources Company  
 1675 Broadway, Suite 1950  
 Denver, CO 80202

Phone: 1 (303) 534-4600

**CA No.**

**Unit:**

**MC ELMO (UIC)**

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
5. If **NO**, the operator was contacted on: \_\_\_\_\_
- 6a. (R649-9-2)Waste Management Plan has been received on: requested
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
- 6c. Reports current for Production/Disposition & Sundries on: ok
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
8. **Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 6/22/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 6/22/2006
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: n/a
2. Indian well(s) covered by Bond Number: PA002769
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a  
 The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

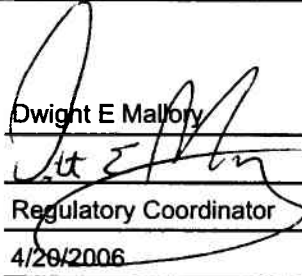
Well Name and Number See attached list	API Number Attached
Location of Well Footage : See attached list County : San Juan QQ, Section, Township, Range: State : UTAH	Field or Unit Name McElmo Creek Unit Lease Designation and Number See attached list

EFFECTIVE DATE OF TRANSFER: 6/1/2006

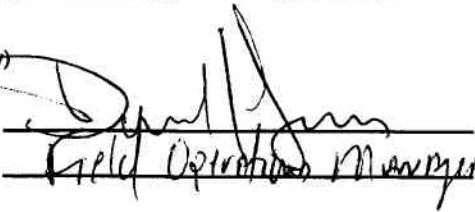
CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation Name: \_\_\_\_\_  
Address: PO Box 4358 Signature: \_\_\_\_\_  
city Houston state TX zip 77210-4358 Title: \_\_\_\_\_  
Phone: (281) 654-1936 Date: \_\_\_\_\_  
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company Name: Dwight E Mallory  
Address: 1675 Broadway, Suite 1950 Signature:   
city Denver state CO zip 80202 Title: Regulatory Coordinator  
Phone: (303) 534-4600 Date: 4/26/2006  
Comments: A list of affected UIC wells is attached.  
New bond numbers for these wells are:  
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by:   
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

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DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Navajo Tribe

7. UNIT or CA AGREEMENT NAME:

McElmo Creek Unit

8. WELL NAME and NUMBER:

See attached list

9. API NUMBER:

Attached

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

1. TYPE OF WELL

OIL WELL ☐ GAS WELL ☐ OTHER Unit Agreement

2. NAME OF OPERATOR:

Resolute Natural Resources Company N2700

3. ADDRESS OF OPERATOR:

1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:

(303) 534-4600

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached list

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the McElmo Creek Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the McElmo Creek Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT)

Dwight E. Mallory

TITLE

Regulatory Coordinator

SIGNATURE

DATE

4/20/2006

(This space for State use only)

APPROVED 6/22/06

Earlene Russell

Division of Oil, Gas and Mining

Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:  
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <u>N1855</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Ship Rock</u>
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77210-4358</u>		7. UNIT or CA AGREEMENT NAME: <u>UTU68930A</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		8. WELL NAME and NUMBER: <u>McElmo Creek</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER: <u>attached</u>
COUNTY: <u>San Juan</u>		10. FIELD AND POOL, OR WILDCAT: <u>Aneth</u>
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, McElmo Creek lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <u>Laurie B. Kilbride</u>	DATE <u>4/19/2006</u>

(This space for State use only)

APPROVED 6/22/06  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED  
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DIV. OF OIL, GAS & MINING

**GREATER ANETH FIELD UIC WELL LIST**  
**McElmo Creek lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
MCELMO CREEK	H11	430371635000S1	Active	14-20-0603-6145	NW	SE	36	40S	24E	1855FSL	2100FEL
MCELMO CREEK	I12	430371561900S1	Active	14-20-0603-6145	SE	SE	36	40S	24E	0595FSL	0595FEL
MCELMO CREEK	F11	430371561700S1	Shut-in	14-20-0603-6146	NW	SW	36	40S	24E	1885FSL	0820FWL
MCELMO CREEK	G12	430371561800S1	Active	14-20-0603-6146	SE	SW	36	40S	24E	1910FNL	2051FWL
MCELMO CREEK	D15	430371634100S1	Active	14-20-0603-6147	NW	SE	2	41S	24E	1830FSL	1830FEL
MCELMO CREEK	A17	430371633800S1	Active	14-20-0603-6148	NE	NE	10	41S	24E	1270FNL	0660FEL
MCELMO CREEK	C14	430371626500S1	Active	14-20-0603-6509	SE	NW	2	41S	24E	2140FNL	2140FWL
MCELMO CREEK	D13	430371626700S1	Active	14-20-0603-6510	NW	NE	2	41S	24E	0820FNL	1920FEL
MCELMO CREEK	E14	430371626800S1	Active	14-20-0603-6510	SE	NE	2	41S	24E	2050FNL	0500FEL
MCELMO CREEK	T08	430371637700S1	Shut-in	14-20-603-2048A	SW	SE	28	40S	25E	0660FSL	1980FEL
MCELMO CREEK	R09	430371614700S1	Active	14-20-603-2057	NW	NW	33	40S	25E	0500FNL	0625FWL
MCELMO CREEK	R11A	430373017900S1	Active	14-20-603-2057	NW	SW	33	40S	25E	2030FSL	0680FWL
MCELMO CREEK	R13	430371614800S1	Active	14-20-603-2057	NW	NW	4	41S	25E	0660FNL	0660FWL
MCELMO CREEK	R15	430371614900S1	Active	14-20-603-2057	NW	SW	4	41S	25E	1990FSL	0500FWL
MCELMO CREEK	S10	430371637500S1	Active	14-20-603-2057	SE	NW	33	40S	25E	1980FNL	1980FWL
MCELMO CREEK	S12	430371615000S1	Active	14-20-603-2057	SE	SW	33	40S	25E	0645FSL	2140FWL
MCELMO CREEK	S14	430371615100S1	Active	14-20-603-2057	SE	NW	4	41S	25E	2005FNL	1820FWL
MCELMO CREEK	S16	430371615200S1	Active	14-20-603-2057	SE	SW	4	41S	25E	0700FSL	1820FWL
MCELMO CREEK	T09A	430373008000S1	Active	14-20-603-2057	NW	NE	33	40S	25E	0940FNL	2035FEL
MCELMO CREEK	T13	430371637800S1	Active	14-20-603-2057	NW	NE	4	41S	25E	0500FNL	2090FEL
MCELMO CREEK	T15	430371637900S1	Active	14-20-603-2057	NW	SE	4	41S	25E	1880FSL	1890FEL
MCELMO CREEK	U10	430371638100S1	Active	14-20-603-2057	SE	NE	33	40S	25E	1980FNL	0610FSL
MCELMO CREEK	U12	430371615500S1	Active	14-20-603-2057	SE	SE	33	40S	25E	0660FSL	0805FEL
MCELMO CREEK	U14	430371615600S1	Active	14-20-603-2057	SE	NE	4	41S	25E	1980FNL	0660FEL
MCELMO CREEK	U16	430371615700S1	Active	14-20-603-2057	SE	SE	4	41S	25E	0550FSL	0745FEL
MCELMO CREEK	V13	430371638300S1	Active	14-20-603-2057	NW	NW	3	41S	25E	0660FNL	0660FWL
MCELMO CREEK	V15	430371638400S1	Active	14-20-603-2057	NW	SW	3	41S	25E	1980FSL	0560FWL
MCELMO CREEK	J17	430371549800S1	Active	14-20-603-263	NW	NW	7	41S	25E	0820FNL	0550FWL
MCELMO CREEK	J19	430371635600S1	Active	14-20-603-263	NW	SW	7	41S	25E	2056FNL	1997FWL
MCELMO CREEK	J21	430371549900S1	Active	14-20-603-263	NW	NW	18	41S	25E	0400FNL	0575FWL
MCELMO CREEK	K18	430371635700S1	Active	14-20-603-263	SE	NW	7	41S	25E	1830FNL	1808FWL
MCELMO CREEK	K20	430371550300S1	Active	14-20-603-263	SE	SW	7	41S	25E	0660FSL	1810FWL
MCELMO CREEK	K22X	430373040000S1	Active	14-20-603-263	SE	NW	18	41S	25E	2082FNL	1588FWL
MCELMO CREEK	K24	430371635800S1	Active	14-20-603-263	SE	SW	18	41S	25E	0660FSL	1801FWL
MCELMO CREEK	L17	430371636000S1	Active	14-20-603-263	NW	NE	7	41S	25E	0660FNL	1980FEL
MCELMO CREEK	L19	430371550500S1	Active	14-20-603-263	NW	SE	7	41S	25E	1860FSL	2140FEL
MCELMO CREEK	L21	430371550600S1	Active	14-20-603-263	NW	NE	18	41S	25E	0820FNL	1980FEL
MCELMO CREEK	L23	430371550700S1	Active	14-20-603-263	NW	SE	18	41S	25E	1980FSL	1980FEL
MCELMO CREEK	M18	430371551000S1	Active	14-20-603-263	SE	NE	7	41S	25E	1850FNL	0790FEL
MCELMO CREEK	M20	430371551100S1	Shut-in	14-20-603-263	SE	SE	7	41S	25E	0660FSL	0660FEL
MCELMO CREEK	N17	430371551400S1	Active	14-20-603-263	NW	NW	8	41S	25E	0810FNL	0660FWL
MCELMO CREEK	N19	430371551500S1	Active	14-20-603-263	NW	SW	8	41S	25E	1850FSL	0500FWL
MCELMO CREEK	N21	430371551600S1	Active	14-20-603-263	NW	NW	17	41S	25E	0660FNL	0660FWL
MCELMO CREEK	O18	430371551700S1	Active	14-20-603-263	SE	NW	8	41S	25E	1830FNL	1890FWL
MCELMO CREEK	P17	430371551900S1	Active	14-20-603-263	NW	NE	8	41S	25E	0660FNL	1980FEL



**GREATER ANETH FIELD UIC WELL LIST**  
**McElmo Creek lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
MCELMO CREEK	P19	430371552000S1	Active	14-20-603-263	NW	SE	8	41S	25E	2140FSL	1980FEL
MCELMO CREEK	P21	430371636900S1	Active	14-20-603-263	NW	NE	17	41S	25E	0660FNL	1980FEL
MCELMO CREEK	P23A	430373143900S1	Active	14-20-603-263	SW	NE	17	41S	25E	2531FNL	2325FEL
MCELMO CREEK	L25	430371550800S1	Active	14-20-603-264	NW	NE	19	41S	25E	0660FNL	1980FEL
MCELMO CREEK	R17	430371597600S1	Active	14-20-603-359	NW	NW	9	41S	25E	0740FNL	0560FWL
MCELMO CREEK	R19	430371637300S1	Active	14-20-603-359	NW	SW	9	41S	25E	1980FSL	0660FWL
MCELMO CREEK	R21	430371637400S1	Active	14-20-603-359	NW	NW	16	41S	25E	0511FNL	0562FWL
MCELMO CREEK	T17	430371638000S1	Active	14-20-603-359	NW	NE	9	41S	25E	0675FNL	1933FEL
MCELMO CREEK	E21	430371634300S1	Active	14-20-603-370	NE	NE	14	41S	24E	0660FNL	0660FEL
MCELMO CREEK	E23	430371634400S1	Active	14-20-603-370	NE	SE	14	41S	24E	2031FSL	0711FEL
MCELMO CREEK	G21A	430373097400S1	Active	14-20-603-370	NE	NW	13	41S	24E	0867FNL	1883FWL
MCELMO CREEK	G23	430371634800S1	Shut-in	14-20-603-370	NE	SW	13	41S	24E	2092FSL	1899FWL
MCELMO CREEK	G25	430371634900S1	Active	14-20-603-370	NE	NW	24	41S	24E	0660FNL	1980FWL
MCELMO CREEK	I23	430371635200S1	Active	14-20-603-370	NE	SE	13	41S	24E	1980FSL	0660FEL
MCELMO CREEK	I25	430371635300S1	Active	14-20-603-370	NE	NE	24	41S	24E	0530FNL	0820FEL
MCELMO CREEK	J11	430371635400S1	TA'd	14-20-603-372	NW	SW	31	40S	25E	1980FSL	0660FWL
MCELMO CREEK	J13	430371635500S1	Active	14-20-603-372	NW	NW	6	41S	25E	0621FNL	0580FWL
MCELMO CREEK	J15	430371595400S1	Active	14-20-603-372	NW	SW	6	41S	25E	1980FSL	0500FWL
MCELMO CREEK	K12	430371595500S1	Active	14-20-603-372	SW	SW	31	40S	25E	0670FSL	1970FWL
MCELMO CREEK	K14	430371595600S1	Active	14-20-603-372	SE	NW	6	41S	25E	1851FNL	1885FWL
MCELMO CREEK	K16	430371595700S1	Active	14-20-603-372	SE	SW	6	41S	25E	0660FSL	1816FWL
MCELMO CREEK	L09	430371635900S1	Active	14-20-603-372	NW	NE	31	40S	25E	0660FNL	1980FEL
MCELMO CREEK	L13	430371595900S1	Active	14-20-603-372	NW	NE	6	41S	25E	0778FNL	1917FEL
MCELMO CREEK	L15	430371596000S1	Active	14-20-603-372	NW	SE	6	41S	25E	1820FSL	1830FEL
MCELMO CREEK	M10	430371596100S1	Shut-in	14-20-603-372	SE	NE	31	40S	25E	1980FNL	0530FEL
MCELMO CREEK	M12	430371596200S1	Active	14-20-603-372	SE	SE	31	40S	25E	0590FSL	0585FEL
MCELMO CREEK	M14	430371596300S1	Active	14-20-603-372	SE	NE	6	41S	25E	2089FNL	0773FEL
MCELMO CREEK	M16	430371636100S1	Active	14-20-603-372	SE	SE	6	41S	25E	0660FSL	0660FEL
MCELMO CREEK	N09	430371596400S1	Shut-in	14-20-603-372	NW	NW	32	40S	25E	0628FNL	0615FWL
MCELMO CREEK	N11	430371596500S1	Active	14-20-603-372	NW	SW	32	40S	25E	2069FSL	0618FWL
MCELMO CREEK	N13	430371596600S1	Active	14-20-603-372	NW	NW	5	41S	25E	0840FNL	0505FWL
MCELMO CREEK	N15	430371636300S1	Active	14-20-603-372	NW	SW	5	41S	25E	2140FSL	820FWL
MCELMO CREEK	O12	430371596800S1	Active	14-20-603-372	SE	SW	32	40S	25E	0809FSL	1832FWL
MCELMO CREEK	O14	430371636500S1	Active	14-20-603-372	SE	NW	5	41S	25E	2056FNL	1997FWL
MCELMO CREEK	O16	430371596900S1	Active	14-20-603-372	SE	SW	5	41S	25E	0660FSL	1980FWL
MCELMO CREEK	P09	430371636700S1	Active	14-20-603-372	NW	NE	32	40S	25E	0598FNL	2100FEL
MCELMO CREEK	P11	430371597101S2	Active	14-20-603-372	NW	SE	32	40S	25E	2105FSL	2006FEL
MCELMO CREEK	P13	430371636800S1	Active	14-20-603-372	NW	NE	5	41S	25E	0610FNL	1796FWL
MCELMO CREEK	P15	430371597200S1	Active	14-20-603-372	NW	SE	5	41S	25E	1980FSL	1980FEL
MCELMO CREEK	Q10	430371597301S1	Active	14-20-603-372	SE	NE	32	40S	25E	1899FNL	0532FEL
MCELMO CREEK	Q16	430371597500S1	TA'd	14-20-603-372	SE	SE	5	41S	25E	0660FSL	0660FEL
MCELMO CREEK	F13	430371634500S1	Active	14-20-603-4032	NW	NW	1	41S	24E	0795FNL	0535FWL
MCELMO CREEK	F15A	430373114900S1	Active	14-20-603-4032	NW	SW	1	41S	24E	1920FSL	0624FWL
MCELMO CREEK	G14	430371614300S1	Active	14-20-603-4032	SE	NW	1	41S	24E	1980FNL	1980FWL
MCELMO CREEK	G16	430371614400S1	Active	14-20-603-4032	SE	SW	1	41S	24E	0820FSL	1820FWL
MCELMO CREEK	H13	430371635100S1	Active	14-20-603-4032	NW	NE	1	41S	24E	0540FNL	2110FEL
MCELMO CREEK	I-14	430371614500S1	Active	14-20-603-4032	SE	NE	1	41S	24E	1980FNL	0660FEL



**GREATER ANETH FIELD UIC WELL LIST**  
**McElmo Creek lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location							
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot	
MCELMO CREEK	F17	430371549300S1	Active	14-20-603-4039	NW	NW	12	41S	24E	0740FNL	0500FWL	
MCELMO CREEK	G18	430371549400S1	Active	14-20-603-4039	SE	NW	12	41S	24E	1980FNL	1980FWL	
MCELMO CREEK	H15	430371549500S1	Active	14-20-603-4039	NW	SE	1	41S	24E	1980FSL	1980FEL	
MCELMO CREEK	H17	430371549600S1	Active	14-20-603-4039	NE	NW	12	41S	24E	0660FNL	1980FEL	
MCELMO CREEK	I18	430371570900S1	Active	14-20-603-4495	SE	NE	12	41S	24E	1840FNL	0555FEL	
MCELMO CREEK	E19	430371634200S1	Shut-in	14-20-603-5449	NE	SE	11	41S	24E	1980FSL	0660FEL	
MCELMO CREEK	G19	430371634600S1	Active	14-20-603-5450	NE	SW	12	41S	24E	1350FSL	1800FWL	
MCELMO CREEK	I20	430371571000S1	Active	14-20-603-5451	SE	SE	12	41S	24E	0990FSL	0500FEL	
MCELMO CREEK	N07	430371636200S1	Active	I-149-IND-8839	NE	SW	29	40S	25E	2083FSL	745FWL	
MCELMO CREEK	P07	430371636600S1	Active	I-149-IND-8839	NW	SE	29	40S	25E	1820FSL	2140FEL	
MCELMO CREEK	O10	430371596700S1	Active	NOG99041325	SE	NW	32	40S	25E	2086FNL	1944FWL	